

INDEX OF VOLUME 26 (1942)

| | |
|--|-----------|
| Absence of Water in Certain Sandstones of the Appalachian Oil Fields. By Frank Reeves. | 869 |
| Abstract | |
| Abstracts of Articles Listed in Selected Annotated Bibliography on Oil-Field Waters. Research Notes | 865 |
| Abstracts of Papers of General Interest on United States. Research Notes | 865 |
| —, on Appalachian Area. Research Notes | 869 |
| —, on Atlantic Coast Area. Research Notes | 872 |
| —, on Canada. Research Notes | 879 |
| —, on Gulf Coast Area. Research Notes | 873 |
| —, on Illinois Fields. Research Notes | 874 |
| —, on Michigan Fields. Research Notes | 875 |
| —, on North-Central Texas. Research Notes | 875 |
| —, on North Mid-Continent Area. Research Notes | 876 |
| —, on Permian Basin. Research Notes | 875 |
| —, on Rocky Mountain Area. Research Notes | 877 |
| —, on Rumania. Research Notes | 879 |
| —, on Russia. Research Notes | 879 |
| —, on Trinidad. Research Notes | 880 |
| —, on United States of General Interest. Research Notes | 865 |
| —, on Venezuela. Research Notes | 880 |
| Abstracts and Titles of Papers, Annual Association Meeting, Denver, Colorado, April 22-24, 1942. The Association Round Table | 898 |
| Abyssal, Pseud-, Sediments and Geological Extrapolation. By W. G. Woolnough | 765 |
| Accumulation of Free Oil, Observations on. Discussion by P. C. Dean | 285 |
| Aerial Photographs. By A. J. Eardley. Review by W. A. Ver Wiebe | 1849 |
| Air Corps, Change in Applications for Commissions in. By F. L. Aurin. At Home and Abroad | 1695 |
| —, Possibilities in. At Home and Abroad | 1312 |
| —, Technical Service. The Association Round Table | 290 |
| Alexander, Clyde, and Weeks, Warren B. Schuler Field, Union County, Arkansas | 1467 |
| Ambrose, A. W. Underground Conditions in Oil Fields. Abstract | 867 |
| American Association of Petroleum Geologists, Code of Ethics of. The Association Round Table | 511 |
| —, Constitution and By-Laws. The Association Round Table | 954 |
| —, Executive Committee Announcement of Twenty-Eighth Annual Meeting to be held at Fort Worth, Texas, April 7, 8, and 9, 1943. At Home and Abroad | 1794 |
| —, Financial Statement, Division of Paleontology and Mineralogy, for 1941. The Association Round Table | 507 |
| —, Financial Statement for 1941. The Association Round Table | 502 |
| —, Members of, Employed by the United States and Allied Countries in Civilian Work. Supplementary List. At Home and Abroad | 1861 |
| —, Members of, in Military and Government Service. By F. L. Aurin. The Association Round Table | 1678 |
| —, Members of, Serving in the Armed Forces of the United States and Allied Countries. Supplementary List. At Home and Abroad | 1858 |
| —, Membership List, March 6, 1942. The Association Round Table | 418 |
| —, Supplementary, September 5, 1942 | 1543 |
| —, Report on Membership. By Edmond O. Markham. Association Round Table | 925 |
| —, The Artificial Horizon and Geological Perspective. By Edgar W. Owen. President's Address | 1185 |
| —, Twenty-Eighth Annual Meeting, Fort Worth, Texas. By F. L. Aurin. Announcement. The Association Round Table | 1861 |
| —, Twenty-Seventh Annual Business Meeting, Cosmopolitan Hotel, Denver, Colorado, April 22-24, 1942. By Edmond O. Markham. The Association Round Table | 922, 1155 |
| —, Twenty-Seventh Annual Meeting, Cosmopolitan Hotel, Denver, Colorado, April 22-24, 1942. The Association Round Table | 896 |
| —, Society of Economic Paleontologists and Mineralogists, and Society of Exploration Geophysicists, Joint Annual Convention of, Denver, April 22-24, 1942. By Edgar W. Owen. Announcement. The Association Round Table | 294 |
| American Geophysical Union, Section of Hydrology of. Geological Note by Paul Weaver | 856 |
| American Petroleum Industry, Developments in, 1914-1919. By H. C. Fowler. Review by H. B. Goodrich | 136 |

| | |
|---|--|
| Amoura Shale, Costa Rica. By Paul P. Goudkoff and William W. Porter II | 1647 |
| Analyses of Water in the Salt Creek Field Applied to Underground Problems. By J. S. Ross and E. A. Swendenborg. Abstract | 878 |
| — of Wyoming Oil-Field Waters. By E. L. Estabrook. Abstract | 878 |
| Analysis, Stratigraphical, and Environmental Reconstruction. By Thomas G. Payne | 1607 |
| Anderson, Carl B. Artesian Waters of Northeastern Illinois. Abstract | 874 |
| Anhydrite, Upper Pennsylvanian, West Texas. Geological Note by Robert Roth | 1412 |
| Announcement of National Service Committee. By Fritz L. Aurin. The Association Round Table | 1299 |
| Annual Convention, Joint, Denver, April 22-24, 1942. The American Association of Petroleum Geologists, Society of Economic Paleontologists and Mineralogists, and Society of Exploration Geophysicists. By Edgar W. Owen. Announcement. The Association Round Table | 294, 522 |
| Annual Review of Petroleum Geology. Research Note by A. I. Levorsen | 1843 |
| Annual Reviews of Petroleum Technology. By Institute of Petroleum. Review by W. O. Haynes | 286 |
| Appalachian Area, Developments in, During 1941. By Appalachian Geological Society | 1110 |
| Appalachian Geological Society. Developments in Appalachian Area During 1941 | 1110 |
| Appalachian Oil Fields, Absence of Water in Certain Sandstones of. By Frank Reeves. Abstract | 869 |
| Appalachian Province, Geochemistry of Natural Gas in. By Paul H. Price and A. J. W. Headlee | 19 |
| Appeal from Classification of Local Board, Procedure on. At Home and Abroad | 1791 |
| Applications for Commissions in the Air Corps, Change in. By F. L. Aurin. At Home and Abroad | 1695 |
| — for Interpreters of Aerial Photographs and Intelligence Officers in the Air Corps, Important Supplemental Information on Change in. By F. L. Aurin. At Home and Abroad | 1695 |
| — of Geophysics in War. By Carl A. Heiland. Abstract | 903 |
| Applin, Paul L., and Imbt, Robert F. Subsurface Geology of Sewell-Eddleman Area, Young County, Texas | 204 |
| Appraisals, Notes on. Geological Note by David Donoghue | 1283 |
| Apsouri, Constantin N. The So-Called "Chert Nodules" of the Oriskany Sandstone and the Problem of Phosphates. Abstract | 917 |
| Arkansas, Midway Field Discovery, Lafayette County. Geological Note by E. A. Markley and Claude N. Valerius | 1289 |
| —, Schuler Field, Union County. By Warren B. Weeks and Clyde W. Alexander | 1467 |
| —, South, and North Louisiana, Developments in 1941. By B. W. Blanpied and Roy T. Hazzard | 1250 |
| Armed Forces of the United States and Allied Countries, Members of American Association of Petroleum Geologists Serving in. Supplementary List. At Home and Abroad | 1858 |
| Army Specialist Corps. By F. L. Aurin. At Home and Abroad | 1313, 1440 |
| —, Information Regarding. The Association Round Table | 1300 |
| Aronson, Samuel M. Memorial of Chester A. Hammill | 1173 |
| Artesian Waters of Northeastern Illinois. Carl B. Anderson. Abstract | 874 |
| Artificial Horizon and Geological Perspective. By Edgar W. Owen. President's Address | 1185 |
| Artinskian Series. Discussion by Carl O. Dunbar | 402 |
| Association Committees | 144, 292, 416, 890, 1170, 1304, 1432, 1546, 1676, 1784 |
| Association Membership List, March 6, 1942. The Association Round Table | 418 |
| Association Officers, Newly Elected. The Association Round Table | 897 |
| Association Round Table | 142, 290, 414, 886, 1168, 1298, 1430, 1542, 1675, 1783, 1851 |
| At Home and Abroad | 150, 301, 518, 903, 1180, 1309, 1435, 1552, 1692, 1787, 1857, 1865 |
| Atlantic and Gulf Coasts, Base-Exchange and Sulphate Reduction in Salty Ground Waters along. By Margaret D. Foster | 838 |
| —, Abstract | 869 |
| Atwill, E. R. Progress of Stratigraphic Studies in California | 153 |
| Aurand, Harry A., and Baxter, R. E. Oil Shales of the Rocky Mountain Area. Abstract | 906 |
| Aurin, Fritz L. Announcement of National Service Committee. The Association Round Table | 1299 |
| —, Change in the Applications for Commissions in the Air Corps. At Home and Abroad | 1695 |
| —, Important Supplemental Information on Change in Applications for Interpreters of Aerial Photographs and Intelligence Officers in the Air Corps. At Home and Abroad | 1695 |
| —, Members of the A.A.P.G. in Military and Government Service. The Association Round Table | 1678 |
| —, Memorandum to Members of National Service Committee. At Home and Abroad | 1310, 1792, 1862 |
| —, National Service Committee Progress Report. At Home and Abroad | 1554 |
| —, Report of National Service Committee. The Association Round Table | 937 |

| | |
|---|----------|
| — Twenty-Eighth Annual Meeting, Fort Worth, Texas, April 7-9, 1943. Announcement. The Association Round Table | 1861 |
| Aurin, Fritz L. Memorial of Maree Cummings | 1855 |
| Aurin, Fritz L., Owen, Edgar W., Weaver, Paul, Markham, Edmond O., and Ver Wiebe, Walter A. Foreword. Development and Use of Engineering Geology | 1795 |
| Baldwin, Harry L., Jr. The Tupungato Oil Field, Province of Mendoza, Argentina. Abstract | 919 |
| Ball, John R. Some Silurian Correlations in Lower Mississippi Drainage Basin | 1 |
| Ballantyne, R. S. Jr., and Willis, Robin. Drilling-Time Logs and Their Uses. Geological Note | 1279 |
| Ballard, Norval. Notes on the Structural History and Oil Possibilities of the Dakota Basin. Abstract | 911 |
| — Regional Geology of Dakota Basin | 1557 |
| — Stratigraphy of North Dakota. Discussion | 1776 |
| Barb, Clark F. Oil and Gas Industry of Colorado. Review by W. A. Waldschmidt | 1293 |
| — Oil Field Water of Pennsylvania. Abstract | 870 |
| Barium in Appalachian Salt Brines. By E. T. Heck. Abstract | 871 |
| Barnes, Virgil E. Oil-Field Waters of North-Central Texas. Abstract | 875 |
| Barnhart Field, Reagan County, Texas. Geological Note by Taylor Cole | 387 |
| Barrett, Albert F. Developments in the Rocky Mountain Region in 1941. Abstract | 900 |
| Bartow, Edward, Udden, J. A., Park, S. W., and Palmer, George Thomas. Mineral Content of Illinois Waters. Abstract | 874 |
| Basal Beds of Salado Formation in Fletcher Potash Core Test, near Carlsbad, New Mexico. By Walter B. Lang | 63 |
| Base Exchange in Ground Water by Silicates as Illustrated in Montana. By Coleman B. Renick. Abstract | 877 |
| Base-Exchange and Sulphate Reduction in Salty Ground Waters along Atlantic and Gulf Coasts. By Margaret D. Foster | 838 |
| — Abstract | 869, 872 |
| Bass, N. W., and Smith, Harold M. Geologic Relationship of Crude Oil in the Tow Creek, Wilson Creek, Iles, and Moffat Fields, Colorado. Abstract | 916 |
| Bates, Robert L. Lateral Gradation in Seven Rivers Formation, Rocky Arroyo, Eddy County, New Mexico | 80 |
| — Occurrence and Origin of Permian Evaporites. Abstract | 907 |
| Bates, R. L., and Needham, C. E. Permian of Central and Northern New Mexico. Abstract | 907 |
| Baxter, R. E., and Aurand, Harry A. Oil Shales of the Rocky Mountain Area. Abstract | 906 |
| Beal, C. H. Geologic Structure of the Cushing Oil and Gas Field, Oklahoma, and Its Relation to Oil, Gas and Water. Abstract | 876 |
| Bell, Alfred H. Developments in Eastern Interior Basin during 1941 | 1086 |
| — Abstract | 914 |
| — Possible Producing Horizons below the McClosky in Illinois. Abstract | 874 |
| Berger, Walter R., and Fash, Ralph H. Relation of Water Analyses to Structure and Porosity in the West Texas Permian Basin. Abstract | 876 |
| Bibliography of Military Geology and Geography. At Home and Abroad | 532 |
| — Selected Annotated, on Oil-Field Waters. Research Note by L. C. Case <i>et al.</i> | 865 |
| Big Snowy Group: Subsurface Extent and Character in the Northwest Great Plains. By Laurence L. Sloss and Eugene S. Perry. Abstract | 910 |
| Blackstone, D. L. Jr., <i>et al.</i> Stratigraphy of North Dakota. Discussion | 1414 |
| Blanpied, B. W., and Hazzard, Roy T. Developments in North Louisiana and South Arkansas in 1941 | 1250 |
| — Summary of Development in South Arkansas and North Louisiana during 1941. Abstract | 901 |
| Borden, Joseph L. Developments in Oklahoma during 1941 | 1058 |
| — Abstract | 901 |
| Boulder Dam—Development and Use of Engineering Geology. I | 1801 |
| Bowman, Isaiah, Assisted by Reeds, C. A. Water Resources of the East St. Louis District. Abstract | 874 |
| Brace, O. L. Review of Developments in 1941, Gulf Coast of Upper Texas and Louisiana | 983 |
| — Abstract | 905 |
| Bradford Oil Field, Pennsylvania and New York. By Charles R. Fettke. Abstract | 871 |
| Bradford Pool, Oil Field Waters of. By Paul D. Torrey. Abstract | 870 |
| Brandenthaler, R. R. <i>et al.</i> Water Problems in the Northern Part of the Cushing Field, Creek County, Oklahoma. Abstract | 876 |
| Bravinder, Kenneth M. Los Angeles Basin Earthquake of October 21, 1941, and Its Effect on Certain Producing Wells in Dominguez Field, Los Angeles County, California. Geological Note | 388 |

| | |
|---|-----------|
| Brazil, Petroleum Geology of the State of São Paulo. Review by C. W. Washburne | 1163 |
| Brazoria County, Texas, Well Spacing and Production Interference in West Columbia Field. By John C. Miller | 1441 |
| Brill, Kenneth G., Jr. Late Paleozoic Stratigraphy of Gore Area, Colorado | 1375 |
| — Abstract | 916 |
| Brine and Salt Deposits of Michigan. By C. W. Cook. Abstract | 875 |
| Brines of Ohio. By Wilbur Stout, R. E. Lamborn, and Downs Schaaf. Abstract | 870 |
| Bucher, Walter H. Review of Marine Ecology as Related to Paleontology, by National Research Council | 287 |
| — Review of Report of Committee on Sedimentation, 1940-1941, National Research Council | 1294 |
| Bulletin Papers, Source of. The Association Round Table | 934 |
| Business Committee, Minutes of, Cosmopolitan Hotel, Denver, Colorado, April 21, 1942. By Edmond O. Markham. The Association Round Table | 950 |
| — Report of. By A. R. Denison. The Association Round Table | 936 |
| Business Meeting, Twenty-Seventh Annual, Cosmopolitan Hotel, Denver, Colorado, April 22-24, 1942, Minutes. By Edmond O. Markham. The Association Round Table | 922, 1155 |
| Butler, John W., Jr. Geology of Honda District, Colombia | 793 |
| Cain, Jr., James Walker. Memorial by Chester Sappington | 516 |
| Calcium Chloride Waters, Connate and Diagenetic. By A. C. Lane. Abstract | 868 |
| Calculating the True Thickness of a Folded Bed. Geological Note by G. D. Hobson | 1827 |
| California, Crocker Flat Landslide Area, Temblor Range. By Russell R. Simonson and Max L. Krueger | 1608 |
| — Geochemical Relationship of Waters Encountered in the Huntington Beach Field. By M. A. Grizzle. Abstract | 872 |
| — Geology of Del Valle Oil Field, Los Angeles County. By L. A. Tarbet | 188 |
| — Los Angeles Basin Earthquake of October 21, 1941, and Its Effect on Certain Producing Wells in Dominguez Field, Los Angeles County. Geological Note by Kenneth M. Bravinder | 388 |
| — 1941 Supplement to Sutter (Marysville) Buttes Development, Sutter County. Geological Note by Walter Stalder | 852, 1155 |
| — Progress of Stratigraphic Studies in. By E. R. Atwill | 153 |
| — Southern, Upper Cretaceous Formations and Faunas of. By Willis P. Popenoe | 162 |
| California Exploration and Development in 1941. By James R. Dorrance | 1135 |
| — Abstract | 906 |
| California Oil Field Waters. By Chase Palmer. Abstract | 872 |
| — By Joseph Jensen. Abstract | 873 |
| Campbell, Robert B. Review of Ecology and Geologic Role of Mangroves in Florida, by John H. Davis, Jr. | 1427 |
| — Review of Geology of Holmes and Washington Counties, Florida, by Robert O. Vernon | 1424 |
| — Review of Stratigraphic and Paleontologic Studies of Wells in Florida, by W. Storrs Cole | 1425 |
| — Review of Stratigraphic and Paleontologic Studies of Wells in Florida—No. 2, by W. Storrs Cole | 1426 |
| Campbell, W. P. Oil-Field Waters of Alberta and Saskatchewan. Abstract | 879 |
| Carlsbad, New Mexico, Basal Beds of Salado Formation in Fletcher Potash Core Test near. By Walter B. Lang | 63 |
| Carlsbad Dolomite and the Pisolites of the Guadalupe Mountains of New Mexico. By Walter B. Lang. Abstract | 901 |
| Case, L. C. Subsurface Water Characteristics in Oklahoma and Kansas. Abstract | 876 |
| Case, L. C., <i>et al.</i> Selected Annotated Bibliography on Oil-Field Waters. Research Notes | 865 |
| Caver, William Frank, and Renfro, Charles A. Student Merit Award. The Association Round Table | 1169 |
| Cedar Creek Anticline, Southeastern Montana, Test on. Geological Note by O. A. Seager | 861 |
| Change in the Applications for Commissions in the Air Corps. By F. L. Aurin. At Home and Abroad | 1695 |
| Charles, Homer H. Memorial of Bertrand S. Ridgeway | 1172 |
| Chemical Analyses, Identifying Oklahoma City Field Brines by Correlating. By Helen Hibbard and E. J. Gatchell. Abstract | 877 |
| — of Some Oil-Well Waters of Ellis and Trego Counties, Kansas. By H. Everett Runyon and Roy Rankin. Abstract | 877 |
| Chemical Analysis, Correlation of Oil Field Water by. By L. A. Penn. Abstract | 868 |

| | |
|--|------------|
| —, Identification of Oil Field Waters by. By C. E. Reistle, Jr. Abstract | 868 |
| Chemical Investigation of Trinidad Well Waters and Its Geological and Economical Significance. By J. S. Parker and C. A. P. Southwell. Abstract | 880 |
| Chemical Relation of Salt Dome Waters. By H. E. Minor. Abstract | 873 |
| Chemical Relations of the Oil-Field Waters in San Joaquin Valley, California. By G. Sherburne Rogers. Abstract | 866, 872 |
| Chester Sandstones Producing Oil and Gas in Lower Wabash River Area, Lateral Variation in, with Special Reference to New Harmony Field, Illinois and Indiana. By George V. Cohee | 1594 |
| Chlorides in Oil-Field Waters. By C. W. Washburne. Abstract | 866 |
| Civil Service Commission, United States. At Home and Abroad | 1183 |
| Civilian Work, Members of American Association of Petroleum Geologists Employed by the United States and Allied Countries in. Supplementary List. At Home and Abroad | 1861 |
| Clark, Frank Rinker. Memorial of Roy J. Metcalf | 1175 |
| Clarke, Frank Wigglesworth. The Data of Geochemistry. Abstract | 865 |
| Classification of Local Board, Procedure of Appeal from. At Home and Abroad | 1791 |
| Classification of Oil Reservoirs. Geological Note by W. B. Wilson | 1291 |
| Climatic Character of the Interval between the Jurassic and Cretaceous, New Mexico and Arizona. By Luna B. Leopold. Abstract | 901 |
| Cline, L. M., Weller, J. M., Wanless, H. R., and Stookey, D. G. Interbasin Pennsylvanian Correlations, Illinois and Iowa | 1585 |
| Coals of the Rocky Mountain and Great Plains Region with Special Reference to Their Value for Hydrogenation. By V. F. Parry. Abstract | 906 |
| Cobban, W. A., <i>et al.</i> Stratigraphy of North Dakota. Discussion | 1414 |
| Code of Ethics of the American Association of Petroleum Geologists. The Association Round Table | 511 |
| Coffin, R. Clare, and DeFord, Ronald K. Waters of the Oil- and Gas-Bearing Formations of the Rocky Mountains. Abstract | 878 |
| Cohee, George V. Lateral Variation in Chester Sandstones Producing Oil and Gas in the Lower Wabash River Area. Abstract | 914 |
| —, Lateral Variation in Chester Sandstones Producing Oil and Gas in Lower Wabash River Area, with Special Reference to New Harmony Field, Illinois and Indiana | 1594 |
| Cole, Charles Taylor, Barnhart Field, Reagan County, Texas. Geological Note | 387 |
| —, Subsurface Study of Ellenburger Formation in West Texas | 1398 |
| Cole, Charles Taylor, Cordry, C. D., and Hemphill, H. A., McKee and Waddell Sands, Simpson Group, West Texas. Geological Note | 279 |
| Cole, Charles Taylor, <i>et al.</i> West Texas and Southeastern New Mexico Development in 1941. Abstract | 912 |
| Cole, W. Storrs. Stratigraphic and Paleontologic Studies of Wells in Florida. Review by Robert B. Campbell | 1425, 1426 |
| College Curricula, Report of Committee on. By Frederic H. Lahee. The Association Round Table | 942 |
| Collins, Burton W. Review of Outlines of Structural Geology, by E. Sherbon Hills | 1160 |
| Colombia, Geology of Honda District. By John W. Butler, Jr. | 793 |
| Colorado, Late Paleozoic Stratigraphy of Gore Area. By Kenneth G. Brill, Jr. | 1375 |
| —, Oil and Gas Industry of. By Clark F. Barb. Review by W. A. Waldschmidt | 1293 |
| Commissions in the Air Corps, Change in Applications for. By F. L. Aurin. At Home and Abroad | 1695 |
| Composition of Oil-Field Waters of the Appalachian Region. By Paul D. Torrey. Abstract | 870 |
| Conferences. The Association Round Table | 947 |
| — of Research Committee. The Association Round Table | 947 |
| Connate Water in Oil and Gas Sands. By Ralph J. Schilthuis. Abstract | 869 |
| Connate Waters of the Atlantic Coast. By A. C. Lane. Abstract | 872 |
| Constitution and By-Laws, American Association of Petroleum Geologists. The Association Round Table | 954 |
| Contributions of Petroleum Engineering Research to the Problem of the Migration and Accumulation of Oil. By F. B. Plummer. Abstract | 911 |
| Cook, C. W. Brine and Salt Deposits of Michigan. Abstract | 875 |
| Cordry, C. D., Cole, Taylor, and Hemphill, H. A. McKee and Waddell Sands, Simpson Group, West Texas. Geological Note | 279 |
| "Corniferous" in Eastern Kentucky and Western West Virginia. By Robert C. Lafferty and Ralph N. Thomas. Abstract | 911 |
| Correlation of Oil Field Water by Chemical Analysis. By L. A. Penn. Abstract | 868 |
| —, Regional—Permian of West Texas and Southeastern New Mexico. Chapter Five | 664 |

| | |
|---|------|
| Correlations, Interbasin Pennsylvanian, Illinois and Iowa. By J. M. Weller, H. R. Wanless, L. M. Cline, and D. G. Stookey | 1585 |
| —, Some Silurian, in Lower Mississippi Drainage Basin. By John R. Ball | 1 |
| Coryell, Lewis L., Roth, Robert, and Simic, Dolphe E. New Developments in North and West-Central Texas in 1941. Abstract | 917 |
| Costa Rica, Amoura Shale. By Paul P. Goudkoff and William W. Porter II | 1647 |
| Crane County, Texas, Silurian Graptolite Zone in. Geological Note by Charles E. Decker | 857 |
| —, Two More Ordovician Well-Core Graptolites. Geological Note by Charles E. Decker | 1771 |
| Crawford, James G. Oil-Field Waters of Montana Plains | 1317 |
| —, Oil-Field Waters of Wyoming and Their Relation to Geologic Formations. Abstract | 879 |
| Crawford, J. G., <i>et al.</i> Selected Annotated Bibliography on Oil-Field Waters. Research Notes | 865 |
| Cretaceous, Upper, Formations and Faunas of Southern California. By Willis P. Popenoe | 162 |
| Cretaceous System in Nebraska, Thickness and Structural Study of Major Divisions of. By Paul Fuenning | 1517 |
| Criteria for Subsurface Recognition of Unconformities. By W. C. Krumbein | 36 |
| Critical Occupations. Petroleum, Natural Gas, and Natural Gasoline Activities. At Home and Abroad | 1556 |
| Crocker Flat Landslide Area, Temblor Range, California. By Russell R. Simonson and Max L. Krueger | 1608 |
| Cronis, Carey. Geology in War and Peace | 1221 |
| —, Abstract | 899 |
| Crowley, A. J. Recent Activities in Northwestern Kansas. Abstract | 909 |
| Cummings, Maree. Memorial by F. L. Aurin | 1855 |
| Dakota, North, Stratigraphy of. By Virginia H. Kline | 336 |
| Dakota Basin, Regional Geology of. By Norval Ballard | 1557 |
| Dam, Boulder.—Development and Use of Engineering Geology. I | 1801 |
| —, Friant.—Development and Use of Engineering Geology. IV | 1820 |
| —, Grand Coulee.—Development and Use of Engineering Geology. II | 1808 |
| —, Marshall Ford.—Development and Use of Engineering Geology. V | 1812 |
| —, Shasta.—Development and Use of Engineering Geology. III | 1816 |
| Darton, N. H. Preliminary Report on Artesian Waters of a Portion of the Dakotas. Abstract | 877 |
| Data of Geochemistry. By Frank Wigglesworth Clarke. Abstract | 865 |
| Davis, John H., Jr. Ecology and Geologic Role of Mangroves in Florida. Review by Robert B. Campbell | 1427 |
| Dean, P. C. Observations on Accumulation of Free Oil. Discussion | 285 |
| de Cizancourt, M. H. La question des eaux dans les gisements de petrol. Abstract | 868 |
| Decker, Charles E. A Silurian Graptolite Zone in Crane County, Texas. Abstract | 905 |
| —, Geological Note | 857 |
| —, Memorial of John Fitts | 1548 |
| —, Report of Resolutions Committee. The Association Round Table | 935 |
| —, Two More Ordovician Well-Core Graptolites, Crane County, Texas. Geological Note | 1771 |
| —, Viola Well Core from South Dakota. Geological Note | 123 |
| Defense Guards, State, The Geologist and. Geological Note by W. Armstrong Price | 282 |
| —, More about the. Geological Note by W. Armstrong Price | 1279 |
| DeFord, Ronald K., and Coffin, R. Clare, Waters of the Oil- and Gas-Bearing Formations of the Rocky Mountains. Abstract | 878 |
| DeFord, Ronald K., and Lloyd, E. Russell. Foreword. West Texas-New Mexico Symposium: Part II | 533 |
| DeFord, Ronald K., and Wahlstrom, Edwin A. Hobbs Field, Lea County, New Mexico. Abstract | 875 |
| DeFord, Ronald K., <i>et al.</i> West Texas and Southeastern New Mexico Development in 1941. Abstract | 912 |
| De Golyer, E. Notes on Present Status of Problem of Exploration | 1214 |
| Del Valle Oil Field, Los Angeles County, California, Geology of. By L. A. Tarbet | 188 |
| Denison, A. R. Notes on Selective Service. At Home and Abroad | 1789 |
| —, Report of Business Committee. The Association Round Table | 936 |
| Denton, F. R., and Trowbridge, R. M. Developments in East Texas during 1941 | 1050 |
| —, Abstract | 905 |
| Development in Eastern Interior Basin in 1941. By Alfred H. Bell. Abstract | 914 |
| —, in 1941, West Texas and Southeastern New Mexico. By West Texas Geological Society Committee | 1007 |
| —, Recent, Paper on | 1250 |
| Development and Exploration, California, in 1941. By James R. Dorrance | 1135 |
| Development and Use of Engineering Geology. By F. A. Nickell | 1797 |

| | |
|--|----------------------------|
| Foreword. By Paul Weaver, Fritz L. Aurin, Edgar W. Owen, Edmond O. Markham, and Walter A. Ver Wiebe. | 1795 |
| Developments in Appalachian Area during 1941. By Appalachian Geological Society | 1110 |
| By Robert C. Lafferty <i>et al.</i> Abstract | 918 |
| in East Texas during 1941. By F. R. Denton and R. M. Trowbridge | 1050 |
| Abstract | 905 |
| in Eastern Interior Basin during 1941. By Alfred H. Bell | 1086 |
| in 1941, Review of, Gulf Coast of Upper Texas and Louisiana. By O. L. Brace | 983 |
| in North Louisiana and South Arkansas in 1941. By B. W. Blanpied and Roy T. Hazzard. | 1250 |
| in North Mid-Continent in 1941. By Edward A. Koester | 1073 |
| Abstract | 909 |
| in Oklahoma during 1941. By Joseph L. Borden | 1058 |
| Abstract | 901 |
| in South Texas during 1941. By L. B. Herring | 1000 |
| in Southeastern United States in 1941. By Urban B. Hughes | 991 |
| Abstract | 911 |
| in the American Petroleum Industry, 1914-1919. By H. C. Fowler. Review by H. B. Goodrich | 136 |
| in the Rocky Mountain Region in 1941. By Albert F. Barrett. Abstract | 900 |
| New, in North and West-Central Texas, 1941. By North Texas Geological Society | 1040 |
| Oil and Gas, in Michigan during 1941. By R. P. Grant | 1097 |
| Discovery of Gas in Rockingham County, Virginia. Geological Note by Paul H. Price | 275, 409 |
| Discovery Methods, Petroleum, Graphic Arrangement of Symposium on. Geological Note by C. Don Hughes | 1410 |
| Discovery Rate, Wildcat Drilling in 1941 with Comments on. By Frederic H. Lahee | 969 |
| Discovery Rate and Relation of Wildcatting to the Discovery of New Reserves. By Frederic H. Lahee. Abstract | 904 |
| Discussion | 285, 402, 1414, 1776, 1844 |
| Disseminated oil in Pleistocene Water Sands of Corpus Christi Area, Texas. By W. Armstrong Price. Abstract | 873 |
| Distinguished Lecture Committee, Progress Report on. By John L. Ferguson. At Home and Abroad | 1864 |
| Distribution of Underground Salt Water and Its Relation to the Accumulation of Oil and Gas. By Roswell H. Johnson. Abstract | 867 |
| Division of Geology and Geography of National Research Council, 1941-1942, Report of Representative on. By A. I. Levorsen. The Association Round Table | 948 |
| Divisions, Major, of Cretaceous System in Nebraska, Thickness and Structural Study of. By Paul Fuenning | 1517 |
| Dominguez Field, Los Angeles County, California, Los Angeles Basin Earthquake of October 21, 1941, and Its Effect on Certain Producing Wells in. Geological Note by Kenneth M. Bravinder | 388 |
| Donoghue, David. Notes on Appraisals. Geological Note | 1283 |
| Dorrance, James R. California Exploration and Development in 1941 | 1135 |
| Abstract | 906 |
| Dott, R. H., and Ginter, R. L. Iso-Con Map for Ordovician Waters. Abstract | 876 |
| Downs, George R., <i>et al.</i> Stratigraphy of North Dakota. Discussion | 1414 |
| Draft Deferment for Geologists Essential and Necessary in Petroleum and other Essential Industries. At Home and Abroad | 1310 |
| Drainage, Oil Well. By Stanley C. Herold. Review by W. S. W. Kew | 1777 |
| Drainage Basin, Lower Mississippi, Some Silurian Correlations in. By John R. Ball. | 1 |
| Drilling-Time Logs and Their Uses. Geological Note by Robin Willis and R. S. Ballantyne, Jr. | 1279 |
| Dunbar, Carl O. Artinskian Series. Discussion | 402 |
| Eardley, A. J. Aerial Photographs. Review by W. A. Ver Wiebe | 1849 |
| Earl, Eugene L., and Mueller, Frederick W. Sam Fordyce Field, Hidalgo and Star Counties, Texas. Abstract | 915 |
| Earth, Oil in the. By Wallace E. Pratt. Review by E. Russell Lloyd | 1294 |
| Earthquake of October 21, 1941, Los Angeles Basin, and Its Effect on Certain Producing Wells in Dominguez Field, Los Angeles County, California. Geological Note by Kenneth M. Bravinder | 388 |
| East Texas, Developments in, during 1941. By F. R. Denton and R. M. Trowbridge. | 1050 |
| Eastern Interior Basin, Developments in, during 1941. By Alfred H. Bell | 1086 |
| Ecology, Marine, as Related to Paleontology. By National Research Council. Review by Walter H. Bucher | 287 |

| | |
|--|------------|
| Ecology and Geologic Rôle of Mangroves in Florida. By John H. Davis, Jr. Review by Robert B. Campbell | 1427 |
| Economic Paleontologists and Mineralogists, Society of, American Association of Petroleum Geologists, and Society of Exploration Geophysicists. Joint Annual Convention of, Denver, April 22-24, 1942. By Edgar W. Owen. Announcement. The Association Round Table | 294 |
| —, Neglected Gulf Coast Tertiary Microfossils. By Henry V. Howe. President's Address | 1188 |
| Eddleman-Sewell Area, Young County, Texas, Subsurface Geology of. By Paul L. Applin and Robert F. Imbt | 204 |
| Eddy County, New Mexico, Lateral Gradation in Seven Rivers Formation, Rocky Arroyo. By Robert L. Bates | 80 |
| Edwards Plateau, Western, Texas, Pre-Cretaceous Topography of. By Eric H. Jager | 380 |
| Election of Officers. The Association Round Table | 897, 922 |
| Eley, Hugh Moore. Memorial by William J. Hilseweck | 1550 |
| Ellenburger Formation in West Texas, Subsurface Study of. By Taylor Cole | 1398 |
| Ellison, Samuel. Project Method for Teaching Petroleum Geology. Geological Note | 1277 |
| Engineering Geology, Development and Use of. By F. A. Nickell | 1797 |
| Engineering Report of Cotton Valley Field, Webster Parish, Louisiana. By J. S. Ross. Abstract | 873 |
| English, R. M., and Grogan, R. M. The Omaha Pool, Gallatin County, Illinois. Abstract | 913 |
| Environmental Reconstruction and Stratigraphical Analysis. By Thomas G. Payne | 1697 |
| Eocene between Laredo and Rio Grande City, Texas, Stratigraphy of. By Joseph M. Patterson | 256 |
| Esgen, W. K. Washburn Field, LaSalle County, Texas. Geological Note | 276 |
| Estabrook, E. L. Analyses of Wyoming Oil-Field Waters. Abstract | 878 |
| Estimated Number of Members of A.A.P.G. Skilled in Various Technical Branches Applicable to Military Service. The Association Round Table | 938 |
| Evaporation of Water at Depth by Natural Gases. By R. van A. Mills and Roger C. Wells. Abstract | 869 |
| Evaporation and Concentration of Waters Associated with Petroleum and Natural Gas. By R. van A. Mills and Roger C. Wells. Abstract | 867, 869 |
| Executive Committee Announcement of Twenty-Eighth Annual Meeting of the Association to be held at Fort Worth, Texas, April 7, 8, and 9, 1943. At Home and Abroad | 1794 |
| Exploration, Notes on Present Status of Problem of. By E. DeGolyer | 1214 |
| Exploration and Development, California, in 1941. By James R. Dorrance | 1135 |
| Exploration Geophysicists, Society of,—How Can Geophysicists Best Serve? By H. B. Peacock. President's Address | 1200 |
| —, The American Association of Petroleum Geologists, and Society of Economic Paleontologists and Mineralogists, Joint Annual Convention of, Denver, April 22-24, 1942. By Edgar W. Owen. Announcement. The Association Round Table | 294 |
| —, Titles of Papers. The Association Round Table | 921 |
| Extrapolation, Geological, and Pseud-Abyssal Sediments. by W. G. Woolnough | 765 |
| Fanguy, Nolan Anthony. Memorial by Chalmers J. Roy | 1854 |
| Fash, Ralph H., and Berger, Walter R. Relation of Water Analyses to Structure and Porosity in the West Texas Permian Basin. Abstract | 876 |
| Fash, R. H., <i>et al.</i> Selected Annotated Bibliography on Oil-Field Waters. Research Notes | 865 |
| Faunas and Formations, Upper Cretaceous, of Southern California. By Willis P. Popenoe | 162 |
| Ferguson, John L. Progress Report on Distinguished Lecture Committee. At Home and Abroad | 1865 |
| —, Report of Informal Committee for Securing Distinguished Speakers for the Affiliated Societies. The Association Round Table | 940 |
| Fettke, Charles R. Bradford Oil Field, Pennsylvania and New York. Abstract | 871 |
| —, Oriskany as a Source of Gas and Oil in Pennsylvania and Adjacent Areas. Abstract | 871 |
| Field Geology. By Frederic H. Lahee. Review by Wallace E. Pratt | 1537 |
| Finances. The Association Round Table | 925 |
| Financial Statement, Division of Paleontology and Mineralogy, for 1941. The Association Round Table | 507 |
| —, for 1941. The Association Round Table | 502 |
| Fitts, John. Memorial by Charles E. Decker | 1548 |
| Fletcher Potash Core Test, near Carlsbad, New Mexico, Basal Beds of Salado Formation in. By Walter B. Lang | 63 |
| Florida, Ecology and Geologic Rôle of Mangroves in. By John H. Davis, Jr. Review by Robert B. Campbell | 1427 |
| —, Geology of Holmes and Washington Counties. By Robert O. Vernon. Review by Robert B. Campbell | 1424 |
| —, Stratigraphic and Paleontologic Studies of Wells in. By W. Storrs Cole. Review by Robert B. Campbell | 1425, 1426 |

| | |
|--|--|
| Folded Bed, Calculating the True Thickness of. Geological Note by G. D. Hobson | 1827 |
| Foraminiferal Zones in the Upper Cretaceous of the Sacramento and San Joaquin Valleys, California. By Paul P. Goudkoff. Abstract | 899 |
| Foreword. Development and Use of Engineering Geology. By Fritz L. Aurin, Edgar W. Owen, Paul Weaver, Edmond O. Markham, and Walter A. Ver Wiebe | 1795 |
| ———. West Texas-New Mexico Symposium; Part II. By Ronald K. DeFord and E. Russell Lloyd | 533 |
| Formations and Faunas, Upper Cretaceous, of Southern California. By Willis P. Popenoe | 162 |
| Foster, Margaret D. Base-Exchange and Sulphate Reduction in Salty Ground Waters along Atlantic and Gulf Coasts | 838 |
| ———. Abstract | 869, 872 |
| Foster, Margaret, D., <i>et al.</i> Selected Annotated Bibliography on Oil-Field Waters. Research Notes | 865 |
| Fowler, H. C. Developments in the American Petroleum Industry, 1914-1919. Review by H. B. Goodrich | 136 |
| Free Oil, Observations on Accumulation of. Discussion by P. C. Dean | 285 |
| Freeman, Louise Barton. Silurian and Devonian Stratigraphy in the Area South and East of the Western Kentucky Coal Basin. Abstract | 902 |
| Friant Dam—Development and Use of Engineering Geology. IV | 1820 |
| Fuenning, Paul. Thickness and Structural Study of Major Divisions of Cretaceous System in Nebraska | 1517 |
| Gardner, James H. Retreat and Advance of Connate Water as a Theory of Oil and Gas Accumulation. Abstract | 868 |
| Garst, Jarvis, and Tatum, James L. Plymouth Field, San Patricio County, Texas. Abstract | 905 |
| Gas in Rockingham County, Virginia, Discovery of. Geological Note by Paul H. Price | 275, 409 |
| Gas and Oil in Lower Wabash River Area, Lateral Variation in Chester Sandstones Producing, with Special Reference to New Harmony Field, Illinois and Indiana. By George V. Cohee | 1594 |
| ———. New Interpretation of Some Laccolithic Mountains and Its Possible Bearing on Structural Traps for. By Charles B. Hunt | 197 |
| Gas and Oil Developments in Michigan during 1941. By R. P. Grant | 1097 |
| Gas and Oil Field, McLouth, Jefferson and Leavenworth Counties, Kansas. Geological Note by Wallace Lee | 133 |
| Gas and Oil Industry of Colorado. By Clark F. Barb. Review by W. A. Waldschmidt | 1293 |
| Gatchell, E. J., and Hibbard, Helen. Identifying Oklahoma City Field Brines by Correlating Chemical Analyses. Abstract | 877 |
| Geochemical Data on Saratoga Mineral Waters. By Lester W. Strock. Abstract | 871 |
| Geochemical Interpretation of Water Analyses. By Chase Palmer. Abstract | 866 |
| Geochemical Relationship of Waters Encountered in the Huntington Beach Field. By M. A. Grizzle. Abstract | 872 |
| Geochemistry, Data of. By Frank Wigglesworth Clarke. Abstract | 865 |
| ———. of Natural Gas in Appalachian Province. By Paul H. Price and A. J. W. Headlee | 19 |
| Geographic Distribution of Members. The Association Round Table | 927 |
| Geologic Calculations, Graphic Method for Some. Geological Note by Mason L. Hill | 1155 |
| Geologic History and Paleogeography—Permian of West Texas and Southeastern New Mexico. Chapter Six | 711 |
| Geologic Map of North America, Report of Revision of. The Association Round Table | 946 |
| Geologic Relationship of Crude Oil in the Tow Creek, Wilson Creek, Iles, and Moffat Fields, Colorado. By N. W. Bass and Harold M. Smith. Abstract | 916 |
| Geologic Role and Ecology of Mangroves in Florida. By John H. Davis, Jr. Review by Robert B. Campbell | 1427 |
| Geologic Structure of Cushing Oil and Gas Field, Oklahoma, and Its Relation to Oil, Gas and Water. By C. H. Beal. Abstract | 876 |
| Geological Extrapolation and Pseud-Abyssal Sediments. By W. G. Woolnough | 765 |
| Geological Factors which Led to Discovery of Salt Lake Pool, Western Lea County, New Mexico. By Charles P. Miller. Abstract | 908 |
| Geological Notes | 123, 275, 387, 852, 1155, 1277, 1410, 1672, 1771, 1827 |
| Geological Perspective and Artificial Horizon. By Edgar W. Owen. President's Address | 1185 |
| Geologist, The, and the State Defense Guards. Geological Note by W. Armstrong Price | 282 |
| Geologist and the State Defense Guards, More about the. Geological Note by W. Armstrong Price | 1279 |
| Geologists, Essential and Necessary in Petroleum and Other Essential Industries, Draft Deferment for. At Home and Abroad | 1310 |
| ———. Good, Make Good Neighbors. By Wallace E. Pratt | 1207 |

| | |
|---|------|
| — in the Navy, Possibilities for. The Association Round Table | 1299 |
| — in War Effort. At Home and Abroad | 1314 |
| —, Résumé of Status of. The Association Round Table | 938 |
| Geology, Applied to Engineering. By F. A. Nickell. Abstract | 903 |
| —, Engineering, Development and Use of. By F. A. Nickell | 1797 |
| —, Field. By Frederic H. Lahee. Review by Wallace E. Pratt | 1537 |
| — in War and Peace. By Carey Croneis | 1221 |
| —, Abstract | 899 |
| —, Discussion by W. V. Howard | 1844 |
| — of Cat Creek and Devils Basin Oil Fields and Adjacent Areas in Montana. By Frank Reeves. Abstract | 878 |
| — of Del Valle Oil Field, Los Angeles County, California. By L. A. Tarbet | 188 |
| — of Holmes and Washington Counties, Florida. By Robert O. Vernon. Review by Robert B. Campbell | 1424 |
| — of Honda District, Colombia. By John W. Butler, Jr. | 793 |
| — of Northwestern Missouri. By H. S. McQueen, Frank C. Greene, and R. T. Rolufs. Abstract | 877 |
| —, Petroleum, of the State of São Paulo, Brazil. Review by C. W. Washburne | 1163 |
| —, Regional, of Dakota Basin. By Norval Ballard | 1557 |
| —, Subsurface, of Sewell-Eddelman Area, Texas. By Paul L. Applin and R. F. Imbt | 204 |
| Geology and War. Geological Note by Paul H. Price and Herbert P. Woodward | 1832 |
| Geology Students, Survey of. The Association Round Table | 947 |
| Geophysical Evidence on the Mechanics of Salt Domes. By L. L. Nettleton. Abstract | 903 |
| Geophysicists, Exploration, How Can They Best Serve? By H. B. Peacock. S. E. G. President's Address | 1200 |
| Getzenander, F. M. Problem of Pre-Trinity Deposits in South Texas. Abstract | 904 |
| Gile, Richard E. Payton Pool, Pecos and Ward Counties, Texas | 1632 |
| Gillette, Tracy, and Workman, L. E. Subsurface Stratigraphy of the Kinderhook-New Albany in Illinois. Abstract | 915 |
| Ginter, Roy L. Discussion of Water Problems in the New Grosny Field, Russia. Abstract | 879 |
| —, Sulphate Reduction of Deep Subsurface Waters. Abstract | 868 |
| —, Water Problems in the New Grosny Field, Russia. Abstract of Discussion | 879 |
| Ginter, R. L., and Dott, R. R. Iso-Con Map for Ordovician Waters. Abstract | 876 |
| Ginter, R. L., <i>et al.</i> Selected Annotated Bibliography on Oil-Field Waters. Research Note | 865 |
| Glass Mountains Section—Permian of West Texas and Southeastern New Mexico. Chapter Four | 642 |
| Gleason, Charles D. Underground Waters in St. Louis County and City of St. Louis, Missouri. Abstract | 877 |
| Good Geologists Make Good Neighbors. By Wallace E. Pratt | 1207 |
| Goodrich, H. B. Review of Developments in the American Petroleum Industry, 1914-1919, by H. C. Fowler | 136 |
| Gore Area, Colorado, Late Paleozoic Stratigraphy of. By Kenneth G. Brill, Jr. | 1375 |
| Goudkoff, Paul P. Foraminiferal Zones in the Upper Cretaceous of the Sacramento and San Joaquin Valleys, California. Abstract | 899 |
| Goudkoff, Paul P., and Porter II, William W. Amoura Shale, Costa Rica | 1647 |
| Gradation, Lateral, the Seven Rivers Formation, Rocky Arroyo, Eddy County, New Mexico. By Robert L. Bates | 80 |
| Grand Coulee Dam—Development and Use of Engineering Geology. II | 1808 |
| Grant, R. P. Oil and Gas Developments in Michigan during 1941 | 1097 |
| —, Abstract | 914 |
| Graphic Arrangement of a Symposium on Petroleum Discovery Methods. Geological Note by C. Don Hughes | 1410 |
| Graphic Method for Some Geologic Calculations. Geological Note by Mason L. Hill | 1155 |
| Graptolite Zone, Silurian, in Crane County, Texas. Geological Note by Charles E. Decker | 857 |
| Graptolites, Two More Ordovician Well-Core, Crane County, Texas. Geological Note by Charles E. Decker | 1771 |
| Greene, Frank C., McQueen, H. S., and Rolufs, R. T. The Geology of Northwestern Missouri. Abstract | 877 |
| Grimsley, G. P. Iron Ores, Salt and Sandstones. Abstract | 869 |
| Grizzle, M. A. Geochemical Relationship of Waters Encountered in the Huntington Beach Field. Abstract | 872 |
| Grogan, R. M., and English, R. M. The Omaha Pool, Gallatin County, Illinois. Abstract | 913 |
| Ground Water. By C. F. Tolman. Abstract | 868 |
| — in Southwestern Pennsylvania. By Arthur M. Piper. Abstract | 870 |

| | |
|--|---------------|
| — in the United States. Occurrence of. By Oscar Edward Meinzer. Abstract | 867 |
| Ground Waters, Salty, along Atlantic and Gulf Coasts, Base-Exchange and Sulphate Reduction in. By Margaret D. Foster | 838 |
| Guadalupe Mountain Section—Permian of West Texas and Southeastern New Mexico. Chapter Two | 550 |
| "Guarumen Sandstone Group" and "Ortiz Sandstone" of North-Central Venezuela. Geological Note by M. Kamen-Kaye | 126 |
| Gulf and Atlantic Coasts, Base-Exchange and Sulphate Reduction in Salty Ground Waters along. By Margaret D. Foster | 838, 869, 872 |
| Gulf Coast of Upper Texas and Louisiana, Review of Developments in 1941. By O. L. Brace | 983 |
| —, Some Oil Field Waters of. By G. Sherburne Rogers | 873 |
| Gulf Coast Pamphlets. At Home and Abroad | 966 |
| Gulf Coast Tertiary Microfossils, Neglected. By Henry V. Howe. S. E. P. M. President's Address | 1188 |
| Hamblin, Ralph H., and Sloss, Laurence L. Stratigraphy and Insoluble Residues of Madison Group (Mississippian) of Montana | 305 |
| Hammill, Chester A. Memorial by Sam M. Aronson | 1173 |
| Hare, Charles E., Price, Paul H., McCue, J. B., and Hoskins, Homer A. Salt Brines of West Virginia. Abstract | 870 |
| Harper, P. A., and Imbt, W. C. Viola Production in Eastern Stafford and Northwestern Reno Counties, Kansas. Abstract | 909 |
| Haynes, W. P. Review of Annual Reviews of Petroleum Technology, by Institute of Petroleum | 286 |
| Hazzard, Roy T., and Blanpied, B. W. Developments in North Louisiana and South Arkansas in 1941. Abstract | 1250 |
| Headlee, A. J. W., and Price, Paul H. Geochemistry of Natural Gas in Appalachian Province —, Natural Coal Gas in West Virginia. Abstract | 901 |
| Heald, K. C. The Rhyming Letters for Victory. Geological Note | 19 |
| Heck, E. T. Barium in Appalachian Salt Brines. Abstract | 911 |
| Heck, E. T., <i>et al.</i> Selected Annotated Bibliography on Oil-Field Waters. Research Note | 1838 |
| Heck, E. T., Hare, Charles E., and Hoskins, Homer A. Origin and Geochemistry of Connate Waters in West Virginia. Abstract | 871 |
| Heiland, Carl A. Applications of Geophysics in War. Abstract | 865 |
| Hemphill, H. A., Cole, Taylor, and Cordry, C. D. McKee and Waddell Sands, Simpson Group, West Texas. Geological Note | 871 |
| Henbest, Lloyd G., and Read, Charles B. Pennsylvanian and Permian Stratigraphy of Northern New Mexico. Abstract | 903 |
| Henniger, W. F. Occurrence of Sulphur Waters in the Gulf Coast of Texas and Louisiana and Their Significance in Locating New Domes. Abstract | 279 |
| Herold, Stanley C. Oil Well Drainage. Review by W. S. W. Kew | 910 |
| Herring, L. B. Developments in South Texas during 1941. | 873 |
| Hibbard, Helen, and Gatchell, E. J. Identifying Oklahoma City Field Brines by Correlating Chemical Analyses. Abstract | 1777 |
| Hill, Mason L. Graphic Method for Some Geologic Calculations. Geological Note | 1000 |
| Hills, E. Sherbon. Outlines of Structural Geology. Review by Burton W. Collins | 877 |
| Hills, John M. Rhythm of Permian Seas—A Paleogeographic Study | 1155 |
| Hilseweck, William J. Memorial of Hugh Moore Eley | 1160 |
| Hobbs Field, Lea County, New Mexico. By Ronald K. DeFord and Edwin A. Wahlstrom. Abstract | 217 |
| Hobson, G. D. Calculating the True Thickness of a Folded Bed. Geological Note | 1550 |
| Holmes and Washington Counties, Florida, Geology of. By Robert O. Vernon. Review by Robert B. Campbell | 875 |
| Honda District, Colombia, Geology of. By John W. Butler, Jr. | 1827 |
| Hoskins, Homer A., Price, Paul H., McCue, J. B., and Hare, Charles E. Salt Brines of West Virginia. Abstract | 1424 |
| Houston Geological Society Study Group. Problem of Well Spacing. Study Group Reports | 793 |
| How Can Geophysicists Best Serve? By H. B. Peacock. S. E. G. President's Address | 870 |
| Howard, C. D. Occurrence of Barium in the Ohio Valley Brines and Its Relation to Stock Poisoning. Abstract | 100 |
| Howard, W. V. Geology in War and Peace. Discussion | 1200 |
| Howe, Henry V. Neglected Gulf Coast Microfauna. Abstract | 869 |
| —, Neglected Gulf Coast Tertiary Microfossils. S. E. P. M. President's Address. | 1844 |
| Hubley, M. D. Patterson Pool, Kearny County, Kansas. Geological Note | 898 |
| | 1188 |
| | 400 |

| | |
|--|------|
| Hudson, F. S., and Taliaferro, N. L. Calcium Chloride Waters from Certain Oil Fields in Ventura County, California. Abstract | 872 |
| Hughes, C. Don. Graphic Arrangement of Symposium on Petroleum Discovery Methods. Geological Note | 1410 |
| Hughes, Urban B. Developments in Southeastern United States in 1941 | 991 |
| — Abstract | 911 |
| Hunt, Charles B. New Interpretation of Some Laccolithic Mountains and Its Possible Bearing on Structural Traps for Oil and Gas | 197 |
| Hydrology. Edited by Oscar E. Meinzer. Review by Frederic H. Lahee | 1538 |
| — of American Geophysical Union, Section of. Geological Note by Paul Weaver | 856 |
| Identification of Oil Field Waters by Chemical Analysis. By C. E. Reistle, Jr. Abstract | 868 |
| Identifying Oklahoma City Field Brines by Correlating Chemical Analyses. By Helen Hibbard and E. J. Gatchell. Abstract | 877 |
| Illinois and Indiana, Lateral Variation in Chester Sandstones Producing Oil and Gas in Lower Wabash River Area, with Special Reference to New Harmony Field. By George V. Cohee | 1594 |
| Illinois and Iowa, Interbasin Pennsylvanian Correlations. By J. M. Weller, H. R. Wanless, L. M. Cline, and D. G. Stookey | 1585 |
| Imbt, Robert F. Memorial of Morgan Evan Roberts | 513 |
| Imbt, Robert F., and Applin, Paul L. Subsurface Geology of Sewell-Eddleman Area, Young County, Texas | 204 |
| Imbt, W. C., and Harper, P. A. Viola Production in Eastern Stafford and Northwestern Reno Counties, Kansas. Abstract | 909 |
| Imlay, Ralph W., and Williams, J. S. Late Paleozoic Age of Morehouse Formation of Northeastern Louisiana. Geological Note | 1672 |
| Important Supplemental Information on Change in Applications for Interpreters of Aerial Photographs and Intelligence Officers in the Air Corps. By F. L. Aurin. At Home and Abroad | 1695 |
| Indiana and Illinois, Lateral Variation in Chester Sandstones Producing Oil and Gas in Lower Wabash River Area, with Special Reference to New Harmony Field. By George V. Cohee | 1594 |
| Industries, Other Essential, Draft Deferment for Geologists Essential and Necessary in Petroleum and. At Home and Abroad | 1310 |
| Information, Important Supplemental, on Change in Applications for Interpreters of Aerial Photographs and Intelligence Officers in the Air Corps. By F. L. Aurin. At Home and Abroad | 1695 |
| — Regarding the Army Specialist Corps. The Association Round Table | 1300 |
| Insoluble Residues and Stratigraphy of Madison Group (Mississippian) of Montana. By Laurence L. Sloss and Ralph H. Hamblin | 305 |
| Institute of Petroleum. Annual Reviews of Petroleum Technology. Review by W. P. Haynes | 286 |
| Intelligence Officers and Interpreters of Aerial Photographs in the Air Corps. Important Supplemental Information on Change in Applications for. By F. L. Aurin. At Home and Abroad | 1695 |
| Interbasin Pennsylvanian Correlations, Illinois and Iowa. By J. M. Weller, H. R. Wanless, L. M. Cline, and D. G. Stookey | 1585 |
| Interior Basin, Eastern, Developments in, during 1941. By Alfred H. Bell | 1086 |
| Interpretation, New, of Some Laccolithic Mountains and Its Possible Bearing on Structural Traps for Oil and Gas. By Charles B. Hunt | 197 |
| —, of Water Analyses by the Geologist. By G. Sherburne Rogers. Abstract | 866 |
| Interpreters of Aerial Photographs and Intelligence Officers in the Air Corps. Important Supplemental Information on Change in Applications for. By F. L. Aurin. At Home and Abroad | 1695 |
| Introduction—Permian of West Texas and Southeastern New Mexico. Chapter One | 539 |
| Iowa and Illinois, Interbasin Pennsylvanian Correlations. By J. M. Weller, H. R. Wanless, L. M. Cline, and D. G. Stookey | 1585 |
| Iron Ores, Salt and Sandstones. By G. P. Grimsley. Abstract | 869 |
| Iso-Con Map for Ordovician Waters. By R. H. Dott and R. L. Ginter. Abstract | 876 |
| Jager, Eric H. Pre-Cretaceous Topography of Western Edwards Plateau, Texas | 380 |
| Jefferson and Leavenworth Counties, Kansas, McLouth Gas and Oil Field. Geological Note by Wallace Lee | 133 |
| Jensen, Joseph. California Oil-Field Waters. Abstract | 873 |
| Jessen, F. W., et al. Selected Annotated Bibliography on Oil-Field Waters. Research Notes | 865 |
| Jewett, J. M., and Oakes, Malcolm C. Upper Des Moines and Lower Missouri Rocks of Northeastern Oklahoma and Southeastern Kansas. Abstract | 908 |
| Johnson, Roswell H. The Distribution of Underground Salt Water and Its Relation to the Accumulation of Oil and Gas. Abstract | 867 |

| | | |
|--|-----------------|------|
| Joint Annual Convention, Denver, April 22-24, 1942. Announcement. A | Home and Abroad | 522 |
| — The American Association of Petroleum Geologists, Society of Economic Paleontologists and Mineralogists, and Society of Exploration Geophysicists. By Edgar W. Owen. | | 294 |
| — Announcement. The Association Round Table | | |
| Kamen-Kaye, M. "Ortiz Sandstone" and "Guarumen Sandstone Group" of North-Central Venezuela. Geological Note | | 126 |
| Kansas, McLouth Gas and Oil Field, Jefferson and Leavenworth Counties. Geological Note by Wallace Lee | | 133 |
| —, Patterson Pool, Kearny County. Geological Note by M. D. Huxley | | 400 |
| Kearny County, Kansas, Patterson Pool. Geological Note by M. D. Huxley | | 400 |
| Kew, W. S. W. Review of Oil Well Drainage, by Stanley C. Herold | | 1777 |
| King, Philip B. Permian of West Texas and Southeastern New Mexico | | 535 |
| Kirby, James M. Upper Cretaceous Stratigraphy of the West Side of Sacramento Valley South of Willows, Glenn County, California. Abstract | | 899 |
| Kline, Virginia H. Stratigraphy of North Dakota | | 336 |
| Koester, Edward A. Developments in North Mid-Continent in 1941 | | 1073 |
| — Abstract | | 909 |
| Kraus, Edgar, <i>et al.</i> West Texas and Southeastern New Mexico Development in 1941. Abstract | | 912 |
| Krueger, Max L., and Simonson, Russell R. Crocker Flat Landslide Area, Temblor Range, California | | 1608 |
| Krueger, Max L., and Thomas, Horace D. Late Paleozoic and Early Mesozoic Stratigraphy of the Uinta Mountains, Utah. Abstract | | 916 |
| Krumbein, W. C. Criteria for Subsurface Recognition of Unconformities | | 36 |
| La question des eaux dans les gisements de petrol. By M. H. de Cizancourt. Abstract | | 868 |
| Laccolithic Mountains, New Interpretation of Some, and Its Possible Bearing on Structural Traps for Oil and Gas. By Charles B. Hunt | | 197 |
| Lafayette County, Arkansas, Midway Field Discovery. Geological Note by E. A. Markley and Claude N. Valerius | | 1289 |
| Lafferty, Robert C., and Thomas, Ralph N. "Corniferous" in Eastern Kentucky and Western West Virginia. Abstract | | 911 |
| Lafferty, Robert C., <i>et al.</i> Developments in Appalachian Area during 1941. Abstract | | 918 |
| Lahee, Frederic H. Discovery Rate and Relation of Wildcatting to the Discovery of New Reserves. Abstract | | 904 |
| — Field Geology. Review by Wallace E. Pratt | | 1537 |
| — Report of Committee on College Curricula. The Association Round Table | | 942 |
| — Review of Hydrology, edited by Oscar E. Meinzer | | 1538 |
| — Wildcat Drilling in 1941 with Comments on Discovery Rate | | 909 |
| Laird, Wilson M., <i>et al.</i> Stratigraphy of North Dakota. Discussion | | 1414 |
| Lamborn, R. E., Stout, Wilbur, and Schaaf, Downs. Brines of Ohio. Abstract | | 870 |
| Landslide Area, Crocker Flat, Temblor Range, California. By Russell R. Simonson and Max L. Krueger | | 1608 |
| Lane, A. C. Calcium Chloride Waters, Connate and Diagenetic. Abstract | | 868 |
| — Connate Waters of the Atlantic Coast. Abstract | | 872 |
| — Lower Michigan Mineral Waters. Abstract | | 875 |
| — Mine Waters and Their Field Assay. Abstract | | 866 |
| Lang, Walter B. Basal Beds of Salado Formation in Fletcher Potash Core Test, near Carlsbad, New Mexico | | 63 |
| — The Carlsbad Dolomite and the Pisolites of the Guadalupe Mountains of New Mexico. Abstract | | 901 |
| Lantern-Slide Copy, Preparation of. By Carl A. Moore | | 1056 |
| Laredo and Rio Grande City, Texas, Stratigraphy of Eocene between. By Joseph M. Patterson | | 256 |
| LaSalle County, Texas, Washburn Field. Geological Note by W. K. Esgen | | 276 |
| Late Paleozoic and Early Mesozoic Stratigraphy of the Uinta Mountains, Utah. By Horace D. Thomas and Max L. Krueger. Abstract | | 916 |
| Late Paleozoic Age of Morehouse Formation of Northeastern Louisiana. Geological Note by Ralph W. Inlay and J. S. Williams | | 1672 |
| Late Paleozoic Stratigraphy of Gore Area, Colorado. By Kenneth G. Brill, Jr. | | 1375 |
| — Abstract | | 916 |
| Lateral Gradation in the Seven Rivers Formation, Rocky Arroyo, Eddy County, New Mexico. By Robert L. Bates | | 80 |
| Lateral Variation in Chester Sandstones Producing Oil and Gas in the Lower Wabash River Area. By George V. Cohee. Abstract | | 914 |

| | |
|---|------|
| — in Chester Sandstones Producing Oil and Gas in Lower Wabash River Area, with Special Reference to New Harmony Field, Illinois and Indiana. By George V. Cohee | 1594 |
| Leavenworth and Jefferson Counties, Kansas, McLouth Gas and Oil Field. Geological Note by Wallace Lee | 133 |
| Lecture Committee, Distinguished, Progress Report on. By John L. Ferguson. At Home and Abroad | 1864 |
| Lee, Wallace. McLouth Gas and Oil Field, Jefferson and Leavenworth Counties, Kansas. Geological Note | 133 |
| Leopold, Luna B. Climatic Character of the Interval between the Jurassic and Cretaceous, New Mexico and Arizona. Abstract | 901 |
| Les eaux sales des gisements de pétrole de roumanie. By P. Petrescu. Abstract | 879 |
| Letters, Rhyming, for Victory. Geological Note by K. C. Heald | 1838 |
| Leverett, Frank. The Water Resources of Illinois | 874 |
| Levorsen, A. I. Annual Review of Petroleum Geology. Research Note | 1843 |
| — Report of Chairman of Research Committee. The Association Round Table | 946 |
| — Report of Representative on Division of Geology and Geography of National Research Council, 1941-1942. The Association Round Table | 948 |
| Limitations of Ground Water as an Aid in Determination of Hidden Geologic Structure. By E. K. Soper. Abstract | 873 |
| Lindtrop, Norbert T. Outline of Water Problems in New Grosny Oil Field, Russia. Abstract | 879 |
| Lisichkin, S. M. The Oil-Well Waters of Cheleken Island. Abstract | 880 |
| List of Members and Associates Geographically Arranged. The Association Round Table | 485 |
| Lloyd, E. Russell. Review of Oil in the Earth, by Wallace E. Pratt | 1294 |
| Lloyd, E. Russell, and DeFord, Ronald K. Foreword. West Texas-New Mexico Symposium: Part II | 533 |
| Local Board, Procedure on Appeal from Classification of. At Home and Abroad | 1791 |
| Locating Strategic Minerals, Need for Geologists in. The Association Round Table | 1302 |
| Loel, Wayne. Sediments and Tectonics of the Upper Santa Clara River Drainage Area, California. Abstract | 906 |
| Logs, Drilling-Time and Their Uses. Geological Note by Robin Willis and R. S. Ballantyne, Jr. | 1279 |
| Los Angeles Basin Earthquake of October 21, 1941, and Its Effect on Certain Producing Wells in Dominguez Field, Los Angeles County, California. Geological Note by Kenneth M. Bravinder | 388 |
| Los Angeles County, California, Geology of Del Valle Oil field. By L. A. Tarbet | 188 |
| —, Los Angeles Basin Earthquake of October 21, 1941, and Its Effect on Certain Producing Wells in Dominguez Field. Geological Note by Kenneth M. Bravinder | 388 |
| Louisiana, North, and South Arkansas, Developments in 1941. By V. W. Blanpied and Roy T. Hazzard | 1250 |
| —, Northeastern, Late Paleozoic Age of Morehouse Formation of. Geological Note by Ralph W. Imlay and J. S. Williams | 1672 |
| Louisiana and Upper Texas, Gulf Coast of, Review of Developments in 1941. By O. L. Brace | 983 |
| Lower Michigan Mineral Waters. By A. C. Lane. Abstract | 875 |
| Lower Mississippi Drainage Basin, Some Silurian Correlations in. By John R. Ball | 1 |
| Lower Wabash River Area, Lateral Variation in Chester Sandstones Producing Oil and Gas in, with Special Reference to New Harmony Field, Illinois and Indiana. By George V. Cohee | 1594 |
| McCorm, C. R., and Templeton, R. R. Santa Fe Springs Field, California. Abstract | 872 |
| McCue, J. B., Price, Paul H., Hare, Charles E., and Hoskins, Homer A. Salt Brines of West Virginia. Abstract | 870 |
| McGlothlin, William Claude. Memorial by H. E. Minor | 1434 |
| McKee and Waddell Sands, Simpson Group, West Texas. Geological Note by Taylor Cole, C. D. Cordry, and H. A. Hemphill | 279 |
| McLouth Gas and Oil Field, Jefferson and Leavenworth Counties, Kansas. Geological Note by Wallace Lee | 133 |
| MacNeill, Donald J. Stratigraphy and Structure of the Moose Mountain Area, Alberta. Abstract | 919 |
| McQueen, H. S., Greene, Frank C., and Rolufs, R. T. The Geology of Northwestern Missouri. Abstract | 877 |
| Madison Group (Mississippian) of Montana, Stratigraphy and Insoluble Residues of. By Laurence L. Sloss and Ralph H. Hamblin | 305 |
| Maebius, Jed B. The Results of the Drilling of a Deep Test near Bay City, Michigan. Abstract | 915 |
| Major Divisions of Cretaceous System in Nebraska, Thickness and Structural Study of. By Paul Fuenning | 1517 |
| Mangroves, Ecology and Geologic Role of, in Florida. By John H. Davis, Jr. Review by | |

| | |
|---|-----------------------------|
| Robert B. Campbell | 1427 |
| Marine Ecology as Related to Paleontology. By National Research Council. Review by Walter H. Bucher | 287 |
| Markham, Edmond O. Minutes Annual Business Meeting, Cosmopolitan Hotel, Denver, Colorado, April 22-24, 1942. The Association Round Table | 922, 1155 |
| —, Minutes of Business Committee, Cosmopolitan Hotel, Denver, Colorado, April 21, 1942. The Association Round Table | 950 |
| —, Report of Secretary-Treasurer. The Association Round Table | 925 |
| —, Report on Membership. The Association Round Table | 925 |
| Markham, Edmond O., Aurin, Fritz L., Owen, Edgar W., Weaver, Paul, and Ver Wiebe, Walter A. Foreword. Development and Use of Engineering Geology. | 1795 |
| Markley, E. A., and Valerius, Claude N. Midway Field Discovery, Lafayette County, Arkansas. Geological Note | 1289 |
| Marshall Ford Dam—Development and Use of Engineering Geology. V. | 1812 |
| Marysville, Sutter, Buttes Development, Sutter County, California, 1941 Supplement to. Geological Note by Walter Stalder | 852, 1155 |
| Meinzer, Oscar E., Editor. Hydrology. Review by Frederic H. Lahee | 1538 |
| —, The Occurrence of Ground Water in the United States. Abstract | 867 |
| Members of the A.A.P.G. Employed by the United States and Allied Countries in Civilian Work | 1689 |
| —, Supplementary List. At Home and Abroad | 1801 |
| —, of the A.A.P.G. in Military and Government Service. By F. L. Aurin. The Association Round Table | 1678 |
| —, of the A.A.P.G. Serving in the Armed Forces of the United States and Allied Countries. Supplementary List. At Home and Abroad | 1858 |
| Members and Associates Geographically Arranged, List of. The Association Round Table | 485 |
| Membership Applications 142, 414, 886, 889, 892, 1168, 1184, 1298, 1430, 1542, 1675, 1783, 1786, 1851 | 418 |
| Membership List, Association, March 6, 1942. The Association Round Table | 1543 |
| —, Supplementary, September 5, 1942. The Association Round Table | 1792, 1802 |
| Memorandum of National Service Committee. At Home and Abroad | 1310 |
| —, to Members of National Service Committee. By Fritz L. Aurin. At Home and Abroad | 1854 |
| Memorial | 513, 1172, 1306, 1434, 1548 |
| Metcalf, Roy J. Memorial by Frank Rinker Clark | 1175 |
| Method, Graphic, for Some Geologic Calculations. Geological Note by Mason L. Hill | 1155 |
| Michigan, Oil and Gas Developments in, during 1941. By R. P. Grant | 1097 |
| Microfossils, Neglected Gulf Coast Tertiary. By Henry V. Howe. S. E. P. M. President's Address | 1188 |
| Mid-Continent, North, Developments in 1941. By Edward A. Koester | 1073 |
| Midway Field Discovery, Lafayette County, Arkansas. Geological Note by E. A. Markley and Claude N. Valerius | 1289 |
| Military and Government Service, Members of A.A.P.G. in. By F. L. Aurin. The Association Round Table | 1678 |
| Military Geology and Geography, Bibliography of. At Home and Abroad | 532 |
| Miller, Charles P. Geological Factors Which Led to Discovery of Salt Lake Pool, Western Lea County, New Mexico. Abstract | 908 |
| Miller, John C. Well Spacing and Production Interference in West Columbia Field, Brazoria County, Texas | 1441 |
| Mills, R. van A., and Wells, Roger C. The Evaporation of Water at Depth by Natural Gases. Abstract | 869 |
| —, The Evaporation and Concentration of Waters Associated with Petroleum and Natural Gas. Abstract | 867, 869 |
| Mine Waters and Their Field Assay. By A. C. Lane. Abstract | 866 |
| Mineral Content of Illinois Waters. By Edward Bartow, J. A. Udden, S. W. Park, and George Thomas Palmer. Abstract | 874 |
| Minor, H. E. Chemical Relation of Salt Dome Waters. Abstract | 873 |
| —, Memorial of William Claude McGlothlin | 1434 |
| —, Oil-Field Waters of the Gulf Coastal Plain. Abstract | 874 |
| Minor, H. E., et al. Selected Annotated Bibliography on Oil-Field Waters. Research Note | 865 |
| Minutes of Business Committee, Cosmopolitan Hotel, Denver, Colorado, April 21, 1942. By Edmond O. Markham. The Association Round Table | 950 |
| —, Twenty-Seventh Annual Business Meeting, Cosmopolitan Hotel, Denver, Colorado, April 22-24, 1942. By Edmond O. Markham. The Association Round Table | 922, 1155 |
| Mississippi Drainage Basin, Lower, Some Silurian Correlations in. By John R. Ball | 1 |
| Montana, Southeastern, Test on Cedar Creek Anticline. Geological Note by O. A. Seager | 861 |

| | |
|--|------------|
| ——, Stratigraphy and Insoluble Residues of Madison Group (Mississippian) of. By Lawrence L. Sloss and Ralph H. Hamblin. | 305 |
| Montana Plains, Oil-Field Waters of. By James G. Crawford | 1317 |
| Moore, Carl A. Preparation of Lantern-Slide Copy | 1656 |
| More about the Geologist and the State Defense Guards. Geological Note by W. Armstrong Price | 1279 |
| Morehouse Formation of Northeastern Louisiana, Late Paleozoic Age of. Geological Note by Ralph W. Imlay and J. S. Williams | 1672 |
| Moulton, G. F. Oil Field Water Investigations—Waterloo Field. Abstract | 874 |
| Mueller, Frederick W., and Earl, Eugene L. Sam Fordyce Field, Hidalgo and Starr Counties, Texas. Abstract | 915 |
| Muller, Siemon W., and Schenck, Hubert G. Standard of Cretaceous System. Abstract | 906 |
| National Headquarters—Selective Service System | 1555 |
| National Research Council. Marine Ecology as Related to Paleontology. Review by Walter H. Bucher | 287 |
| ——, 1941-1942, Report of Representative on Division of Geology and Geography of. By A. I. Levorsen. The Association Round Table | 948 |
| ——, Report of Committee on Sedimentation, 1940-1941. Review by Walter H. Bucher. | 1294 |
| National Roster of Scientific and Specialized Personnel. At Home and Abroad | 1313, 1440 |
| National Service Committee, Announcement of. By Fritz L. Aurin. The Association Round Table | 1299 |
| ——, June 23, 1942, Remarks on Announcement of. At Home and Abroad. | 1312 |
| ——, Memorandum of. At Home and Abroad. | 1792, 1862 |
| ——, Memorandum to Members of. By Fritz L. Aurin. At Home and Abroad. | 1310 |
| ——, Progress Report. By Fritz L. Aurin. At Home and Abroad | 1554 |
| ——, Report of. By F. L. Aurin. The Association Round Table | 937 |
| Natural Coal Gas in West Virginia. By Paul H. Price and A. J. W. Headlee. Abstract | 911 |
| Natural Gas in Appalachian Province, Geochemistry of. By Paul H. Price and A. J. W. Headlee | 19 |
| Natural Gases, Evaporation of Water at Depth by. By R. van A. Mills and Roger C. Wells. Abstract | 869 |
| Navy, Possibilities for Geologists in. The Association Round Table | 1299 |
| Neal, R. O. Petroleum Hydrology Applied to the Mid-Continent Field. Abstract | 876 |
| Nebraska, Thickness and Structural Study of Major Divisions of Cretaceous System in. By Paul Fuenning | 1517 |
| Need for Geologists in Locating Strategic Minerals. The Association Round Table | 1302 |
| Needham, C. E., and Bates, R. L. Permian of Central and Northern New Mexico. Abstract. | 907 |
| Needham, C. E., and Thompson, M. L. Pennsylvanian-Permian Contact in New Mexico. Abstract | 907 |
| Neglected Gulf Coast Microfauna. By Henry V. Howe. Abstract | 898 |
| Neglected Gulf Coast Tertiary Microfossils. By Henry V. Howe. S. E. P. M. President's Address | 1188 |
| Nettleton, L. L. Geophysical Evidence on the Mechanics of Salt Domes. Abstract | 903 |
| New Developments in North and West-Central Texas in 1941. By Lewis L. Coryell, Robert Roth, and Dolphe E. Simic. Abstract | 917 |
| —— in North and West-Central Texas, 1941. By North Texas Geological Society | 1040 |
| New Harmony Field, Illinois and Indiana, Lateral Variation in Chester Sandstones Producing Oil and Gas in Lower Wabash River Area, with Special Reference to. By George V. Cohee | 1594 |
| New Interpretation of Some Laccolithic Mountains and Its Possible Bearing on Structural Traps for Oil and Gas. By Charles B. Hunt | 197 |
| New Mexico, Basal Beds of Salado Formation in Fletcher Potash Core Test, near Carlsbad. By Walter B. Lang | 63 |
| ——, Lateral Gradation in Seven Rivers Formation, Rocky Arroyo, Eddy Country. By Robert L. Bates | 80 |
| ——, Southeastern, and West Texas, Permian of. By Philip B. King | 535 |
| ——, Southeastern, and West Texas Development in 1941. By West Texas Geological Society Committee | 1007 |
| Newcombe, R. B. Oil and Gas Fields of Michigan. Abstract | 875 |
| Newly Elected Officers of the Association. The Association Round Table | 897 |
| Nickell, F. A. Development and Use of Engineering Geology. | 1797 |
| ——. Geology Applied to Engineering. Abstract | 903 |

| | |
|--|------------|
| Nightingale, W. T. Petroleum and Natural Gas in the Non-Marine Wasatch Formation of Northwest Colorado and Southwest Wyoming. Abstract | 900 |
| 1941 Supplement to Sutter (Marysville) Buttes Development, Sutter County, California. Geological Note by Walter Stalder | 852, 1155 |
| Noble, Earl B. Memorial of William Warren Orcutt | 1306 |
| North and West-Central Texas, New Developments in, 1941. By North Texas Geological Society | 1040 |
| North Central Venezuela, "Ortiz Sandstone" and "Guarumen Sandstone Group" of. Geological Note by M. Kamen-Kaye | 126 |
| North Dakota, Stratigraphy of. By Virginia H. Kline | 336 |
| —, Stratigraphy of. Discussion by Norval Ballard | 1776 |
| —, Stratigraphy of. Discussion by O. A. Seager <i>et al.</i> | 1414, 1673 |
| North Louisiana and South Arkansas, Developments in 1941. By B. W. Blanpied and Roy T. Hazard. | 1250 |
| North Mid-Continent, Developments in 1941. By Edward A. Koester | 1073 |
| North Texas Geological Society. New Developments in North and West-Central Texas, 1941 | 1040 |
| Northeastern Louisiana, Late Paleozoic Age of Morehouse Formation of. Geological Note by Ralph W. Inlay and J. S. Williams. | 1672 |
| Notes on Appraisals. Geological Note by David Donoghue | 1283 |
| — on Present Status of Problem of Exploration. By E. DeGolyer | 1214 |
| — on Quiriquire Oil Field, District of Pinar, State of Monagas. By J. H. Regan. Abstract | 880 |
| — on Selective Service. By A. R. Denison. At Home and Abroad | 1789 |
| — on Structural History and Oil Possibilities of the Dakota Basin. By W. Norval Ballard. Abstract | 911 |
| Oakes, Malcolm C., and Jewett, J. M. Upper Des Moines and Lower Missouri Rocks of Northeastern Oklahoma and Southeastern Kansas. Abstract | 908 |
| Observations on Accumulation of Free Oil. Discussion by P. C. Dean | 285 |
| Occurrence of Barium in the Ohio Valley Brines and Its Relation to Stock Poisoning. By C. D. Howard. Abstract | 869 |
| — of Ground Water in the United States. By Oscar Edward Meinzer. Abstract | 867 |
| — of Sulphur Waters in the Gulf Coast of Texas and Louisiana and Their Significance in Locating New Domes. By W. F. Henniger. Abstract | 873 |
| Occurrence and Origin of Permian Evaporites. By Robert L. Bates. Abstract | 907 |
| Officers, Election of. The Association Round Table | 897, 922 |
| — of the Association, Newly Elected. The Association Round Table | 897 |
| —, Personnel Placement. At Home and Abroad | 532 |
| Official and Committee Personnel. The Association Round Table | 897 |
| Ohio, Brines of. By Wilbur Stout, R. E. Lamborn, and Downs Schaaf. Abstract | 870 |
| Oil, Free, Observations on Accumulation of. Discussion by P. C. Dean | 285 |
| — in the Earth. By Wallace E. Pratt. Review by E. Russell Lloyd | 1294 |
| Oil and Gas in Lower Wabash River Area, Lateral Variation in Chester Sandstones Producing, with Special Reference to New Harmony Field, Illinois and Indiana. By George V. Cohee | 1594 |
| — in the Birds Quadrangle. By John L. Rich. Abstract | 874 |
| —, New Interpretation of Some Laccolithic Mountains and Its Possible Bearing on Structural Traps for. By Charles B. Hunt | 197 |
| Oil and Gas Developments in Michigan during 1941. By R. P. Grant | 1097 |
| — Abstract | 914 |
| Oil and Gas Field, McLouth, Jefferson and Leavenworth Counties, Kansas. Geological Note by Wallace Lee | 133 |
| Oil and Gas Fields of Michigan. By R. B. Newcombe. Abstract | 875 |
| Oil and Gas Industry of Colorado. By Clark F. Barb. Review by W. A. Waldschmidt | 1293 |
| Oil Field Brines. By C. W. Washburne. Abstract | 867 |
| Oil Field Water, Correlation of, by Chemical Analysis. By L. A. Penn. Abstract | 868 |
| — of Pennsylvania. By C. F. Barb. Abstract | 870 |
| Oil Field Water Investigations—Waterloo Field. By G. F. Moulton. Abstract | 874 |
| Oil Field Waters, Identification of, by Chemical Analysis. By C. E. Reistle, Jr. Abstract | 868 |
| — of Alberta and Saskatchewan. By W. P. Campbell. Abstract | 879 |
| — of Bradford Pool. By Paul D. Torrey. Abstract | 870 |
| — of Gulf Coastal Plain. By H. E. Minor. Abstract | 874 |
| — of Montana Plains. By James G. Crawford. | 1317 |
| — of North-Central Texas. By Virgil E. Barnes. Abstract | 875 |
| — of Wyoming and Their Relation to Geologic Formations. By James G. Crawford. Abstract | 879 |

| | |
|--|------------|
| ——, Selected Annotated Bibliography on. Research Note by L. C. Case <i>et al</i> | 865 |
| Oil Property Valuation. By Paul Paine. Review by Ernest K. Parks | 1779 |
| Oil Reservoirs, Classification of. Geological Note by W. B. Wilson | 1291 |
| Oil Shales of the Rocky Mountain Area. By R. E. Baxter and Harry A. Aurand. Abstract | 906 |
| Oil Well Drainage. By Stanley C. Herold. Review by W. S. W. Kew | 1777 |
| Oil-Well Waters of Cheleken Island. By S. M. Lisichkin. Abstract | 880 |
| Oklahoma, Developments in, during 1941. By Joseph L. Borden | 1058 |
| Oklahoma City Field Brines, Identifying Them by Correlating Chemical Analyses. By Helen Hibbard and E. J. Gatchell. Abstract | 877 |
| Omaha Pool, Gallatin County, Illinois. By R. M. English and R. M. Grogan. Abstract | 913 |
| Onondaga Group of Parts of West Virginia and Virginia. By E. E. Rehn. Abstract | 902 |
| Orcutt, William Warren. Memorial by Earl B. Noble | 1306 |
| Ordovician Well-Core Graptolites, Two More, Crane County, Texas. Geological Note by Charles E. Decker | 1771 |
| Origin of Bore Hole Waters. By N. V. Tageeva. Abstract | 880 |
| —— of Natural Brines of Oil Fields. By Frank Reeves. Abstract | 866 |
| Origin and Geochemistry of Connate Waters in West Virginia. By E. T. Heck, Charles E. Hare, and Homer A. Hoskins. Abstract | 871 |
| Oriskany as a Source of Gas and Oil in Pennsylvania and Adjacent Areas. By Charles R. Fettke. Abstract | 871 |
| "Ortiz Sandstone" and "Guarumen Sandstone Group" of North-Central Venezuela. Geological Note by M. Kamen-Kaye | 126 |
| Outline of Water Problems in New Grosny Oil Field, Russia. By Norbert T. Lindtrop. Abstract | 879 |
| Outlines of Structural Geology. By E. Sherbon Hills. Review by Burton W. Collins | 1160 |
| Owen, Edgar W. Report of President. The Association Round Table | 923 |
| ——, The Artificial Horizon and Geological Perspective. President's Address | 1185 |
| Owen, Edgar W., Aurin, Fritz L., Weaver, Paul, Markham, Edmond O., and Ver Wiebe, Walter A. Foreword. Development and Use of Engineering Geology | 1795 |
| Paine, Paul. Oil Property Valuation. Review by Ernest K. Parks | 1779 |
| Paleogeographic Study, A — Rhythm of Permian Seas. By John M. Hills | 217 |
| Paleogeography and Geologic History—Permian of West Texas and Southeastern New Mexico. Chapter Six | 711 |
| Paleontologic and Stratigraphic Studies of Wells in Florida. By W. Storrs Cole. Review by Robert B. Campbell | 1425, 1426 |
| Paleontologic Analysis. Stratigraphical Analysis and Environmental Reconstruction. III. | 1728 |
| Paleontology, Marine Ecology as Related to. By National Research Council. Review by Walter H. Bucher | 237 |
| Paleontology and Mineralogy Division, Titles of Papers. The Association Round Table | 920 |
| Paleozoic, Late, Age of Morehouse Formation of Northeastern Louisiana. Geological Note by Ralph W. Imlay and J. S. Williams | 1672 |
| Paleozoic Stratigraphy, Late, of Gore Area, Colorado. By Kenneth G. Brill, Jr. | 1375 |
| Palmer, Chase. California Oil-Field Waters. Abstract | 872 |
| ——, The Geochemical Interpretation of Water Analyses. Abstract | 866 |
| Palmer, George Thomas, Bartow, Edward, Udden, J. A., Park, S. W. Mineral Content of Illinois Waters. Abstract | 874 |
| Papers, Titles and Abstracts of, Annual Association Meeting, Denver, Colorado, April 22-24, 1942. The Association Round Table | 898 |
| Park, S. W., Bartow, Edward, Udden, J. A., and Palmer, George Thomas. Mineral Content of Illinois Waters. Abstract | 874 |
| Parker, J. S., and Southwell, C. A. P. The Chemical Investigation of Trinidad Well Waters and Its Geological and Economical Significance. Abstract | 880 |
| Parks, Ernest K. Review of Oil Property Valuation, by Paul Paine | 1779 |
| Parks, E. M. Water Analyses in Oil Production and Some Analyses from Poison Spider, Wyoming. Abstract | 878 |
| Parry, V. F. Coals of the Rocky Mountain and Great Plains Region with Special Reference to Their Value for Hydrogenation. Abstract | 906 |
| Past and Present Officers of the Association. The Association Round Table | 415 |
| Patterson, Joseph M. Stratigraphy of Eocene between Laredo and Rio Grande City, Texas | 256 |
| Patterson Pool, Kearny County, Kansas. Geological Note by M. D. Hubley | 400 |
| Payne, Thomas G. Stratigraphical Analysis and Environmental Reconstruction | 1697 |
| Payton Pool, Pecos and Ward Counties, Texas. By Richard E. Gile | 1632 |
| Peace and War, Geology in. By Carey Croneis | 1221 |
| ——, Discussion by W. V. Howard | 1844 |

| | |
|--|------------|
| Peacock, H. B. How Can Geophysicists Best Serve? S. E. G. President's Address | 1200 |
| Pecos and Ward Counties, Texas, Payton Pool. By Richard E. Gile. | 1632 |
| Penn., L. A. Correlation of Oil Field Water by Chemical Analysis. Abstract | 868 |
| Pennsylvania, Oil Field Water of. By C. F. Barb. Abstract | 870 |
| Pennsylvanian and Permian Stratigraphy of Northern New Mexico. By Charles B. Read and Lloyd G. Henbest. Abstract | 910 |
| Pennsylvania Anhydrite, Upper, West Texas. Geological Note by Robert Roth | 1412 |
| Pennsylvanian Correlations, Interbasin, Illinois and Iowa. By J. M. Weller, H. R. Wanless, L. M. Cline, and D. G. Stookey | 1585 |
| Pennsylvanian-Permian Contact in New Mexico. By M. L. Thompson and C. E. Needham. Abstract | 907 |
| Permian of Central and Northern New Mexico. By C. E. Needham and R. L. Bates. Abstract | 907 |
| — of West Texas and Southeastern New Mexico. By Philip B. King | 535 |
| Permian Seas, Rhythm of—A Paleogeographic Study. By John M. Hills | 217 |
| Permian Volume, Report of Progress on. The Association Round Table | 947 |
| Perry, Eugene S., and Sloss, Laurence L. Big Snowy Group: Subsurface Extent and Char- acter in the Northwest Great Plains. Abstract | 910 |
| Personnel, Scientific and Specialized, National Roster of. At Home and Abroad | 1314, 1440 |
| Personnel Placement Officers. At Home and Abroad | 532 |
| Peters, T. C. Subsurface Correlations between Kansas and the Rocky Mountain Front Range of Colorado. Abstract | 909 |
| Petrescu, P. Les eaux sales des gisements de pétrole de roumanie. Abstract | 879 |
| Petroleum and Natural Gas in the Non-Marine Wasatch Formation of Northwest Colorado and Southwest Wyoming. By W. T. Nightingale. Abstract | 900 |
| Petroleum and Other Essential Industries, Draft Deferment for Geologists Essential and Necessary in. At Home and Abroad | 1310 |
| Petroleum Discovery Methods, Graphic Arrangement of Symposium on. Geological Note by C. Don Hughes | 1410 |
| Petroleum Geology, Annual Review of. Research Note by A. I. Levorsen | 1843 |
| — of the State of São Paulo, Brazil. Review by C. W. Washburne | 1163 |
| —, Project Method for Teaching. Geological Note by Samuel Ellison | 1277 |
| Petroleum Hydrology Applied to the Mid-Continent Field. By R. O. Neal. Abstract | 876 |
| Petroleum Industry, American, Developments in, 1914-1919. By H. C. Fowler. Review by H. B. Goodrich | 136 |
| Petroleum Technology, Annual Reviews of. By Institute of Petroleum. Review by W. P. Haynes | 286 |
| Photographs, Aerial. By A. J. Eardley. Review by W. A. Ver Wiebe | 1849 |
| Physical Properties of the Bethel Sandstone of South-Central Illinois. By Willard D. Pye. Abstract | 913 |
| Piper, Arthur M. Ground Water in Southwestern Pennsylvania. Abstract | 870 |
| Placement Officers, Personnel. At Home and Abroad | 532 |
| Plummer, F. B. Contributions of Petroleum Engineering Research to the Problem of the Migration and Accumulation of Oil. Abstract | 911 |
| Plummer, F. B., and Sargent, E. C. Underground Waters and Subsurface Temperatures of the Woodbine Sand in Northeast Texas. Abstract | 875 |
| Plummer, F. B., and Tapp, Paul. Technique of Testing Large Cores in Oil Sand. Abstract | 920 |
| Plymouth Field, San Patricio County, Texas. By James L. Tatum and Jarvis Garst. Abstract | 905 |
| Popenoe, Willis P. Upper Cretaceous Formations and Faunas of Southern California | 162 |
| Porter II, William W., and Goudkoff, Paul P. Amoura Shale, Costa Rica | 1647 |
| Possible Producing Horizons below the McClosky in Illinois. By A. H. Bell. Abstract | 874 |
| Possibilities for Geologists in the Navy. The Association Round Table | 1299 |
| — in Air Corps. At Home and Abroad | 1312 |
| Pratt, Wallace E. Good Geologists Make Good Neighbors | 1207 |
| —, Oil in the Earth. Review by E. Russell Lloyd | 1294 |
| —, Review of Field Geology, by Frederic H. Lahee | 1537 |
| Pre-Cretaceous Topography of Western Edwards Plateau, Texas. By Eric H. Jager | 380 |
| Preliminary Report on Artesian Waters of a Portion of the Dakotas. By N. H. Darton. Abstract | 877 |
| Preparation of Lantern-Slide Copy. By Carl A. Moore | 1656 |
| Present Status of Problem of Exploration, Notes on. By E. DeGolyer | 1214 |
| Presidents' Addresses | 1185 |
| Price, Paul H. Discovery of Gas in Rockingham County, Virginia. Geological Note | 275, 409 |
| Price, Paul H., and Headlee, A. J. W. Geochemistry of Natural Gas in Appalachian Province | 19 |
| —, Natural Coal Gas in West Virginia. Abstract | 911 |

| | |
|--|--|
| Price, Paul H., and Woodward, Herbert P. Geology and War. Geological Note | 1832 |
| Price, Paul H., Hare, Charles E., McCue, J. B., and Hoskins, Homer A. Salt Brines of West Virginia. Abstract | 870 |
| Price, W. Armstrong. Disseminated Oil in Pleistocene Water Sands of Corpus Christi Area, Texas. Abstract | 873 |
| ———. More about the Geologist and the State Defense Guards. Geological Note | 1270 |
| ———. The Geologist and the State Defense Guards. Geological Note | 282 |
| Problem of Exploration, Notes on Present Status of. By E. DeGolyer | 1214 |
| Problem of Pre-Trinity Deposits in South Texas. By F. M. Getzendaner. Abstract | 904 |
| Problem of Well Spacing. By Houston Geological Society Study Group. Study Group Reports | 100 |
| Procedure on Appeal from Classification of Local Board. At Home and Abroad | 1791 |
| Producing Wells, Certain, in Dominguez Field, Los Angeles County, California, Los Angeles Basin Earthquake of October 21, 1941, and Its Effect on. Geological Note by Kenneth M. Bravinder | 388 |
| Production Interference and Well Spacing in West Columbia Field, Brazoria County, Texas. By John C. Miller | 1441 |
| Progress of Stratigraphic Studies in California. By E. R. Atwill | 153 |
| Progress Report of Distinguished Lecture Committee. By John L. Ferguson. At Home and Abroad | 1864 |
| Project Method for Teaching Petroleum Geology. Geological Note by Samuel Ellison | 1277 |
| Property Valuation, Oil. By Paul Paine. Review by Ernest K. Parks | 1779 |
| Pseud-Abyssal Sediments and Geological Extrapolation. By W. G. Woolnough | 765 |
| Publication, Report of Committee on. By R. E. Rettger. The Association Round Table | 949 |
| Publications, Report on. The Association Round Table | 947 |
| Pye, Willard D. The Physical Properties of the Bethal Sandstone of South-Central Illinois. Abstract | 913 |
| Rankin, Roy, and Runyon, H. Everett. Chemical Analyses of Some Oil-Well Waters of Ellis and Trego Counties, Kansas. Abstract | 877 |
| Ray, Bernard A., <i>et al.</i> West Texas and Southeastern New Mexico Development in 1941. Abstract | 912 |
| Read, Charles B., and Henbest, Lloyd G. Pennsylvanian and Permian Stratigraphy of Northern New Mexico. Abstract | 910 |
| Reagan County, Texas, Barnhart Field. Geological Note by Taylor Cole | 387 |
| Recent Activities in Northwestern Kansas. By A. J. Crowley. Abstract | 909 |
| Recent Development Paper | 1250 |
| Recent Publications | 138, 287, 410, 882, 1165, 1295, 1428, 1539, 1674, 1781, 1849 |
| Recognition, Subsurface, of Unconformities, Criteria for. By W. C. Krumbein | 36 |
| Reconstruction, Environmental, and Stratigraphical Analysis. By Thomas G. Payne | 1697 |
| Recruiting Continues for Technologists. At Home and Abroad | 966 |
| Reeds, C. A., Assisting Bowman, Isaiah. Water Resources of the East St. Louis District. Abstract | 874 |
| Reeves, Frank. Absence of Water in Certain Sandstones of the Appalachian Oil Fields. Abstract | 869 |
| ———. Geology of Cat Creek and Devils Basin Oil Fields and Adjacent Areas in Montana. Abstract | 878 |
| ———. Origin of the Natural Brines of Oil-Fields. Abstract | 866 |
| Regan, J. H. Notes on the Quiriquire Oil Field, District of Pian, State of Monagas. Abstract | 880 |
| Regional Correlation—Permian of West Texas and Southeastern New Mexico. Chapter Five Regional Geology of Dakota Basin. By Norval Ballard | 664 |
| Rehn, E. E. Onondaga Group of Parts of West Virginia and Virginia. Abstract | 557 |
| Reistle, C. E., Jr. The Identification of Oil Field Waters by Chemical Analysis. Abstract | 902 |
| Relation of Water Analyses to Structure and Porosity in the West Texas Permian Basin. By Walter R. Berger and Ralph H. Fash. Abstract | 868 |
| Relationship of Crude Oils and Stratigraphy in Parts of Oklahoma and Kansas. Research Note by L. M. Neuman <i>et al.</i> Correction | 876 |
| Remarks on Announcement of National Service Committee, June 23, 1942. At Home and Abroad | 284 |
| Renfro, Charles A., and Caver, William Frank. Student Merit Award. The Association Round Table | 1312 |
| Renick, B. Coleman. Base Exchange in Ground Water by Silicates as Illustrated in Montana. Abstract | 1169 |
| ———. Some Geochemical Relations of Ground Water and Associated Natural Gas in the Lance Formation, Montana. Abstract | 877 |
| Report of Business Committee. By A. R. Denison. The Association Round Table | 877 |
| ———. of Chairman of Research Committee. By A. I. Levorsen. The Association Round Table | 936 |
| | 946 |

| | |
|--|--|
| — of Committee for Publication. By R. E. Rettger. The Association Round Table | 949 |
| — of Committee on College Curricula. By Frederic H. Lahee. The Association Round Table | 942 |
| — of Committee on Sedimentation, 1940-1941, National Research Council. Review by Walter H. Bucher | 1294 |
| — of Editor. By W. A. Ver Wiebe. The Association Round Table | 933 |
| — of Informal Committee for Securing Distinguished Speakers for the Affiliated Societies. By John L. Ferguson. The Association Round Table | 940 |
| — of National Service Committee. By F. L. Aurin. The Association Round Table | 937 |
| — of National Service Committee Progress. By Fritz L. Aurin. At Home and Abroad | 1554 |
| — of President. By Edgar W. Owen. The Association Round Table | 923 |
| — of Representative on Division of Geology and Geography of National Research Council, 1941-1942. By A. I. Levorsen. The Association Round Table | 948 |
| — of Resolutions Committee. By C. E. Decker. The Association Round Table | 935 |
| — of Secretary-Treasurer. By Edmond O. Markham. The Association Round Table | 925 |
| — of Special National Service Committee. By Fritz L. Aurin. The Association Round Table | 951 |
| — on Membership. By Edmond O. Markham. The Association Round Table | 925 |
| — on Progress of Permian Volume. The Association Round Table | 947 |
| — Progress, of Distinguished Lecture Committees. By John L. Ferguson. At Home and Abroad | 1864 |
| Representative on Division of Geology and Geography of National Research Council, 1941-1942, Report of. By A. I. Levorsen. The Association Round Table | 948 |
| Research Committee, Report of Chairman of. By A. I. Levorsen. The Association Round Table | 946 |
| Research Committee Conferences. The Association Round Table | 947 |
| Research Notes | 865, 968, 1843 |
| Reservoirs, Oil, Classification of. Geological Note by W. B. Wilson | 1291 |
| Resolutions Committee, Report of. By C. E. Decker. The Association Round Table | 935 |
| Results of the Drilling of a Deep Test near Bay City, Michigan. By Jed. V. Maebius. Abstract | 915 |
| Résumé of Status of Geologists, as Shown by A.A.P.G. Questionnaires. The Association Round Table | 938 |
| Retreat and Advance of Connate Water as A Theory of Oil and Gas Accumulation. By James H. Gardner. Abstract | 868 |
| Rettger, R. E. Report of Committee on Publication. The Association Round Table | 949 |
| Review, Annual, of Petroleum Geology. Research Note by A. I. Levorsen | 1843 |
| — of Developments in 1941, Gulf Coast of Upper Texas and Louisiana. By O. L. Brace | 983 |
| — Abstract | 905 |
| Reviews, Annual, of Petroleum Technology. By Institute of Petroleum. Review by W. P. Haynes | 286 |
| Reviews and New Publications | 136, 286, 410, 882, 1160, 1293, 1424, 1537, 1674, 1777, 1849 |
| Rhyming Letters for Victory. Geological Note by K. C. Heald | 1838 |
| Rhythm of Permian Seas—A Paleogeographic Study. By John M. Hills | 217 |
| Rich, John L. Oil and Gas in the Birds Quadrangle. Abstract | 874 |
| Ridgeway, Bertrand S. Memorial by Homer H. Charles | 1172 |
| Rio Grande City and Laredo, Texas, Stratigraphy of Eocene between. By Joseph M. Patterson | 256 |
| Roberts, Morgan Evan. Memorial by Robert F. Imbt | 513 |
| Rockingham County, Virginia, Discovery of Gas in. Geological Note by Paul H. Price | 275, 409 |
| Rocky Arroyo, Eddy County, New Mexico, Lateral Gradation in Seven Rivers Formation. By Robert L. Bates | 80 |
| Rogers, G. Sherburne. Chemical Relations of the Oil-Field Waters in San Joaquin Valley, California. Abstract | 866, 872 |
| — Some Oil Field Waters of the Gulf Coast. Abstract | 873 |
| — The Interpretation of Water Analyses by the Geologist. Abstract | 866 |
| — The Sunset-Midway Oil Field, California, Part II, Geochemical Relations of the Oil, Gas, and Water. Abstract | 867, 872 |
| Rolufs, R. T., McQueen, H. S., and Greene, Frank C. The Geology of Northwestern Missouri. Abstract | 877 |
| Ross, J. S. Engineering Report of Cotton Valley Field, Webster Parish, Louisiana. Abstract | 873 |
| Ross, J. S., and Swedenborg, E. A. Analyses of Water in the Salt Creek Field Applied to Underground Problems. Abstract | 878 |
| Roster, National, of Scientific and Specialized Personnel. At Home and Abroad | 1313, 1440 |
| Roth, Robert. Upper Pennsylvanian Anhydrite, West Texas. Geological Note | 1412 |
| Roth, Robert, Coryell, Lewis L., and Simic, Dolphe E. New Developments in North and West-Central Texas in 1941. Abstract | 917 |
| Roy, Chalmer J. Memorial of Nolan Anthony Fanguy | 1854 |

| | |
|---|------------|
| Runyon, H. Everett, and, Rankin, Roy. Chemical Analyses of Some Oil-Well Waters of Ellis and Trego Counties, Kansas. Abstract | 877 |
| Russell, R. Dana. Salt Domes of Bienville Parish. Abstract | 904 |
| Russell, William L. Subsurface Concentration of Chloride Brines. Abstract | 868 |
| Salado Formation in Fletcher Potash Core Test, near Carlsbad, New Mexico, Basal Beds of. By Walter B. Lang | 63 |
| Saline Artesian Waters of the Atlantic Coastal Plain. By Samuel Sanford. Abstract | 872 |
| Salt Brines of West Virginia. By Paul H. Price, Charles E. Hare, J. B. McCue, and Homer A. Hoskins. Abstract | 870 |
| Salt Domes of Bienville Parish. By R. Dana Russell. Abstract | 904 |
| Sam Fordyce Field, Hidalgo and Starr Counties, Texas. By Eugene L. Earl and Frederick W. Mueller. Abstract | 915 |
| Sanford, Samuel. Saline Artesian Waters of the Atlantic Coastal Plain. Abstract | 872 |
| Santa Fe Springs Field, California. By R. R. Templeton and C. R. McCollom. Abstract | 872 |
| São Paulo, State of, Brazil, Petroleum Geology of. Review by C. W. Washburne | 1163 |
| Sappington, Chester. Memorial of James Walker Cain, Jr. | 516 |
| Sargent, E. C., and Plummer, F. B. Underground Waters and Subsurface Temperatures of the Woodbine Sand in Northeast Texas. Abstract | 875 |
| Schaaf, Downs, Stout, Wilbur, and Lamborn, R. E. Brines of Ohio. Abstract | 870 |
| Schenck, Hubert G., and Muller, Siemon W. Standard of Cretaceous System. Abstract | 906 |
| Schilthuis, Ralph J. Connate Water in Oil and Gas Sands. Abstract | 869 |
| Schneider, William T., <i>et al.</i> West Texas and Southeastern New Mexico Development in 1941. Abstract | 912 |
| Schuler Field, Union County, Arkansas. By Warren B. Weeks and Clyde W. Alexander | 1467 |
| Scientific and Specialized Personnel, National Roster of. At Home and Abroad | 1313, 1440 |
| Seager, O. A. Test on Cedar Creek Anticline, Southeastern Montana. Geological Note | 861 |
| Seager, O. A., <i>et al.</i> Stratigraphy of North Dakota. Discussion | 1414, 1673 |
| Section of Hydrology of American Geophysical Union. Geological Note by Paul Weaver | 856 |
| Sedimentary Petrogenesis. Stratigraphical Analysis and Environmental Reconstruction. IV | 1736 |
| Sedimentary Petrography (Petrographic Analysis). Stratigraphical Analysis and Environmental Reconstruction. II | 1699 |
| Sedimentation, Report of the Committee on, 1940-1941, National Research Council. Review by Walter H. Bucher | 1294 |
| Sedimentation and Tectonics in Guadalupe Mountains Region—Permian of West Texas and Southeastern New Mexico. Chapter Three | 613 |
| Sediments, Pseud-Abyssal, and Geological Extrapolation. By W. G. Woolnough | 765 |
| Sediments and Tectonics of the Upper Santa Clara River Drainage Area, California. By Wayne Loel. Abstract | 906 |
| Selected Annotated Bibliography on Oil-Field Waters. Research Note by L. C. Case <i>et al.</i> | 865 |
| Selective Service, Notes on. By A. R. Denison. At Home and Abroad | 1789 |
| Selective Service System Bulletin. At Home and Abroad | 1555 |
| Seven Rivers Formation, Rocky Arroyo, Eddy County, New Mexico, Lateral Gradation in. By Robert L. Bates | 80 |
| Sewell-Eddleman Area, Young County, Texas, Subsurface Geology of. By Paul L. Applin and Robert F. Imbt | 204 |
| Shasta Dam—Development and Use of Engineering Geology. III | 1816 |
| Significance of Geologic Conditions in Naval Reserve No. 3, Wyoming, with a Section on the Waters of the Salt Creek-Teapot Dome Uplift, by Herman Stabler. By W. T. Thom, Jr. and E. M. Spieker. Abstract | 878 |
| Silurian and Devonian Stratigraphy in the Area South and East of the Western Kentucky Coal Basin. By Louise Barton Freeman. Abstract | 902 |
| Silurian Correlations, Some, in Lower Mississippi Drainage Basin. By John R. Ball | 1 |
| Silurian Graptolite Zone in Crane County, Texas. Geological Note by Charles E. Decker | 857 |
| Abstract | 905 |
| Simic, Dolphe E., Coryell, Lewis L., and Roth, Robert. New Developments in North and West-Central Texas in 1941. Abstract | 917 |
| Simonson, Russell R., and Krueger, Max L. Crocker Flat Landslide Area, Temblor Range, California | 1608 |
| Simpson Group, West Texas, McKee and Waddell Sands. Geological Note by Taylor Cole, C. D. Cordry, and H. A. Hemphill | 279 |
| Sloss, Laurence L., and Hamblin, Ralph H. Stratigraphy and Insoluble Residues of Madison Group (Mississippian) of Montana | 305 |
| Sloss, Laurence L., and Perry, Eugene S. Big Snowy Group: Subsurface Extent and Character in the Northwest Great Plains. Abstract | 910 |

| | |
|---|------------|
| Sloss, Laurence L., <i>et al.</i> Stratigraphy of North Dakota. Discussion | 1414 |
| Smith, Harold M., and Bass, N. W. Geologic Relationship of Crude Oil in the Tow Creek, Wilson Creek, Iles, and Moffat Fields, Colorado. Abstract | 916 |
| Smith, J. E. Venezuelan Oil-Field Waters. Abstract | 880 |
| So-Called "Chert Nodules" of the Oriskany Sandstone and the Problem of Phosphates. By Constantin N. Apsouri. Abstract | 917 |
| Society of Economic Paleontologists and Mineralogists,—Neglected Gulf Coast Tertiary Microfossils. By Henry V. Howe. President's Address | 1188 |
| —, The American Association of Petroleum Geologists, and Society of Exploration Geophysicists, Joint Annual Convention of, Denver, April 22–24, 1942. By Edgar W. Owen. Announcement. The Association Round Table | 294 |
| Society of Exploration Geophysicists,—How Can Geophysicists Best Serve? By H. B. Peacock. President's Address | 1200 |
| —, Titles of Papers. The Association Round Table | 921 |
| Some Geochemical Relations of Ground Water and Associated Natural Gas in the Lance Formation, Montana. By Coleman B. Renick. Abstract | 877 |
| Some Oil Field Waters of the Gulf Coast. By G. Sherburne Rogers. Abstract | 873 |
| Some Silurian Correlations in Lower Mississippi Drainage Basin. By John R. Ball | 1 |
| Some Stream Waters of the Western United States. By Herman Stabler. Abstract | 866 |
| Soper, E. K. Limitations of Ground Water as an Aid in Determination of Hidden Geologic Structure. Abstract | 873 |
| Source of Bulletin Papers. The Association Round Table | 934 |
| South Arkansas and North Louisiana, Developments in 1941. By B. W. Blanpied and Roy T. Hazzard | 1250 |
| South Dakota, Viola Well Core from. Geological Note by Charles E. Decker | 123 |
| South Texas, Developments in, during 1941. By L. B. Herring | 1000 |
| Southeastern Montana, Test on Cedar Creek Anticline. Geological Note by O. A. Seager | 861 |
| Southeastern New Mexico and West Texas Development in 1941. By West Texas Geological Society Committee | 1007 |
| Southeastern United States, Developments in, in 1941. By Urban B. Hughes | 991 |
| Southern California, Upper Cretaceous Formations and Faunas of. By Willis P. Popenoe | 162 |
| Southwell, C. A. P., and Parker, J. S. The Chemical Investigation of Trinidad Well Waters and Its Geological and Economical Significance. Abstract | 880 |
| Special Addresses | 1207 |
| Specialist Corps, Army. At Home and Abroad | 1313, 1440 |
| Spieker, E. M., and Thom, W. T., Jr. The Significance of Geologic Conditions in Naval Reserve No. 3, Wyoming, with a Section on the Waters of the Salt Creek-Teapot Dome Uplift, by Herman Stabler. Abstract | 878 |
| Stabler, Herman. Some Stream Waters of the Western United States. Abstract | 866 |
| Stalder, Walter. 1941 Supplement to Sutter (Marysville) Buttes Development, Sutter County, California. Geological Note | 852, 1155 |
| Standard of Cretaceous System. By Siemon W. Muller and Hubert G. Schenck. Abstract | 906 |
| State Defense Guards, The Geologist and. Geological Note by W. Armstrong Price | 282 |
| —, More about the. Geological Note by W. Armstrong Price | 1279 |
| Status of Geologists as Shown by A. A. P. G. Questionnaires, Résumé of. The Association Round Table | 938 |
| Stookey, D. G., Weller, J. M., Wanless, H. R., and Cline, L. M. Interbasin Pennsylvanian Correlations, Illinois and Iowa | 1585 |
| Stout, Wilbur, Lamborn, R. E., and Schaaf, Downs. Brines in Ohio. Abstract | 870 |
| Strategic Minerals, Need for Geologists in Locating. The Association Round Table | 1302 |
| Stratigraphic and Paleontologic Studies of Wells in Florida. By W. Storrs Cole. Review by Robert B. Campbell | 1425, 1426 |
| Stratigraphic Studies in California, Progress of. By E. R. Atwill | 153 |
| Stratigraphical Analysis and Environmental Reconstruction. By Thomas G. Payne | 1697 |
| —, I. Introduction | 1697 |
| —, II. Sedimentary Petrography (Petrographic Analysis) | 1699 |
| —, III. Paleontologic Analysis | 1728 |
| —, IV. Sedimentary Petrogenesis | 1736 |
| Stratigraphy of Eocene between Laredo and Rio Grande City, Texas. By Joseph M. Patterson | 256 |
| — of North Dakota. By Virginia H. Kline | 336 |
| — Discussion by Norval Ballard | 1776 |
| — Discussion by O. A. Seager <i>et al.</i> | 1414, 1673 |
| Stratigraphy and Insoluble Residues of Madison Group (Mississippian) of Montana. By Laurence L. Sloss and Ralph H. Hamblin | 305 |

| | |
|--|------------|
| Stratigraphy and Structure of the Moose Mountain Area, Alberta. By Donald J. MacNeill. Abstract. | 919 |
| Stream Waters, Some, of the Western United States. By Herman Stabler. Abstract | 866 |
| Strock, Lester W. Geochemical Data on Saratoga Mineral Waters. Abstract | 871 |
| Structural Geology, Outlines of. By E. Sherbon Hills. Review by Burton W. Collins | 1160 |
| Structural Study and Thickness of Major Divisions of Cretaceous System in Nebraska. By Paul Fuenning | 1517 |
| Structural Traps for Oil and Gas, New Interpretation of Some Laccolithic Mountains and Its Possible Bearing on. By Charles B. Hunt | 197 |
| Student Merit Award, West Texas Geological Society. The Association Round Table | 1169 |
| Studies of Wells in Florida, Stratigraphic and Paleontologic. By W. Storrs Cole. Review by Robert B. Campbell | 1425, 1426 |
| Study, Subsurface, of Ellenburger Formation in West Texas. By Taylor Cole | 1398 |
| Study Group Reports | 100 |
| Subsurface Concentration of Chloride Brines. By William E. Russell. Abstract | 868 |
| Subsurface Correlations between Kansas and the Rocky Mountain Front Range of Colorado. By T. C. Peters. Abstract | 909 |
| Subsurface Geology of Sewell-Eddleman Area, Young County, Texas. By Paul L. Applin and Robert F. Imbt | 204 |
| Subsurface Recognition of Unconformities, Criteria for. By W. C. Krumbein | 36 |
| Subsurface Stratigraphy of the Kinderhook-New Albany Strata in Illinois. By L. E. Workman and Tracy Gillette. Abstract | 915 |
| Subsurface Study of Ellenburger Formation in West Texas. By Taylor Cole | 1398 |
| Subsurface Water Characteristics in Oklahoma and Kansas. By L. C. Case. Abstract | 876 |
| Sulphate Reduction of Deep Subsurface Waters. By Roy L. Ginter. Abstract | 868 |
| Sulphate Reduction and Base-Exchange in Salty Ground Waters along Atlantic and Gulf Coasts. By Margaret D. Foster | 838 |
| —, Abstract | 869 |
| Summary of Development in South Arkansas and North Louisiana during 1941. By B. W. Blanpied and Roy T. Hazzard. Abstract | 901 |
| Sunset-Midway Oil Field, California, Part II, Geochemical Relations of the Oil, Gas and Water By G. Sherburne Rogers. Abstract | 867, 872 |
| Supplementary Membership List, September 5, 1942. The Association Round Table | 1543 |
| Survey of Geology Students. The Association Round Table | 947 |
| Sutter (Marysville) Buttes Development, Sutter County, California, 1941 Supplement to. Geological Note by Walter Stalder | 852, 1155 |
| Swedenborg, E. A., and Ross, J. S. Analyses of Water in the Salt Creek Field Applied to Underground Problems. Abstract | 878 |
| Symposium on Petroleum Discovery Methods, Graphic Arrangement of. Geological Note by C. Don Hughes | 1410 |
| Tageeva, N. V. The Origin of the Bore Hole Waters. Abstract | 880 |
| Taliaferro, N. L., and Hudson, F. S. Calcium Chloride Waters from Certain Oil Fields in Ventura County, California. Abstract | 872 |
| Tapp, Paul, and Plummer, F. B. Technique of Testing Large Cores in Oil Sand. Abstract | 920 |
| Tarbet, L. A. Geology of Del Valle Oil Field, Los Angeles County, California | 188 |
| Tatum, James L., and Garst, Jarvis. Plymouth Field, San Patricio County, Texas. Abstract | 905 |
| Teaching Petroleum Geology, Project Method for. Geological Note by Samuel Ellison | 1277 |
| Technical Service—Air Corps. The Association Round Table | 290 |
| Technique of Testing Large Cores of Oil Sand. By F. B. Plummer and Paul Tapp. Abstract | 920 |
| Tectonic Map, Report on. The Association Round Table | 946 |
| Tectonics and Sedimentation in Guadalupe Mountains Region—Permian of West Texas and Southeastern New Mexico. Chapter Three | 613 |
| Temblor Range, California, Crocker Flat Landslide Area. By Russell R. Simonson and Max L. Krueger | 1608 |
| Templeton, R. R., and McCollom, C. R. Santa Fe Springs Field, California. Abstract | 872 |
| Tertiary Microfossils, Gulf Coast, Neglected. By Henry V. Howe. S. E. P. M. President's Address | 1188 |
| Test on Cedar Creek Anticline, Southeastern Montana. Geological Note by O. A. Seager | 861 |
| Texas, Barnhart Field, Reagan County. Geological Note by Taylor Cole | 387 |
| —, East, Developments in, during 1941. By F. R. Denton and R. M. Trowbridge | 1050 |
| —, North and West-Central, New Developments in, 1941. By North Texas Geological Society | 1040 |
| —, Pre-Cretaceous Topography of Western Edwards Plateau. By Eric H. Jager | 380 |

| | |
|--|-----------|
| —, Silurian Graptolite Zone in Crane County, Geological Note by Charles E. Decker | 857 |
| —, South, Developments in, during 1941. By L. B. Herring. | 1000 |
| —, Stratigraphy of Eocene between Laredo and Rio Grande City. By Joseph M. Patterson | 256 |
| —, Subsurface Geology of Sewell-Eddleman Area, Young County. By Paul L. Applin and Robert F. Imbt | 204 |
| —, Two More Ordovician Well-Core Graptolites, Crane County. Geological Note by Charles E. Decker | 1771 |
| —, Upper, and Louisiana, Gulf Coast of, Review of Developments in 1941. By O. L. Brace | 983 |
| —, Washburn Field, LaSalle County. Geological Note by W. K. Esgen | 276 |
| —, Well Spacing and Production Interference in West Columbia Field, Brazoria County. By John C. Miller | 1441 |
| —, West, McKee and Waddell Sands, Simpson Group. Geological Note by Taylor Cole, C. D. Cordry, and H. A. Hemphill | 279 |
| —, West, Subsurface Study of Ellenburger Formation in. By Taylor Cole | 1398 |
| —, West, Upper Pennsylvanian Anhydrite. Geological Note by Robert Roth | 1412 |
| —, West, and Southeastern New Mexico Development in 1941. By West Texas Geological Society Committee | 1007 |
| Thickness, True, of a Folded Bed, Calculating the. Geological Note by G. D. Hobson | 1827 |
| Thickness and Structural Study of Major Divisions of Cretaceous System in Nebraska. By Paul Fuenning | 1517 |
| Thom, W. T., Jr., and Spieker, E. M. The Significance of Geologic Conditions in Naval Reserve No. 3, Wyoming, with a Section on the Waters of the Salt Creek-Teapot Dome Uplift, by Herman Stabler. Abstract | 878 |
| Thomas, Horace D., and Krueger, Max L. Late Paleozoic and Early Mesozoic Stratigraphy of the Uinta Mountains, Utah. Abstract | 916 |
| Thomas, Ralph N., and Lafferty, Robert C. "Corniferous" in Eastern Kentucky and Western West Virginia. Abstract | 911 |
| Thompson, M. L., and Needham, C. E. Pennsylvanian-Permian Contact in New Mexico. Abstract | 907 |
| Titles of Papers by Division of Paleontology and Mineralogy. The Association Round Table | 920 |
| — of Papers by Society of Exploration Geophysicists. The Association Round Table | 921 |
| Titles and Abstracts of Papers, Annual Association Meeting, Denver, Colorado, April 22-24, 1942. The Association Round Table | 898 |
| Tolman, C. F. Ground Water. Abstract | 868 |
| Topography, Pre-Cretaceous, of Western Edwards Plateau, Texas. By Eric H. Jager | 380 |
| Torrey, Paul D. Composition of Oil-Field Waters of the Appalachian Region. Abstract | 870 |
| —, Oil Field Waters of the Bradford Pool. Abstract | 870 |
| Trowbridge, R. M., and Denton, F. R. Developments in East Texas during 1941 | 1050 |
| —, Abstract | 905 |
| True Thickness of a Folded Bed, Calculating the. Geological Note by G. D. Hobson | 1827 |
| Tupungato Oil Field, Province of Mendoza, Argentina. By Harry L. Baldwin, Jr. Abstract | 919 |
| Twenty-Eighth Annual Meeting, Fort Worth, Texas, April 7-9, 1943. By F. L. Aurin. Announcement. The Association Round Table | 1861 |
| Twenty-Eighth Annual Meeting of the Association, Fort Worth, Texas, April 7, 8, and 9, 1943. Executive Committee Announcement. At Home and Abroad | 1794 |
| Twenty-Seventh Annual Business Meeting, Cosmopolitan Hotel, Denver, Colorado, April 22-24, 1942. By Edmond O. Markham. The Association Round Table | 922, 1155 |
| Twenty-Seventh Annual Meeting, American Association of Petroleum Geologists, Cosmopolitan Hotel, Denver, Colorado, April 22-24, 1942. The Association Round Table | 896 |
| —, Denver, April 22-24. Announcement. The Association Round Table | 146 |
| Two More Ordovician Well-Core Graptolites, Crane County, Texas. Geological Note by Charles E. Decker | 1771 |
| Udden, J. A., Bartow, Edward, Park S. W., and Palmer, George Thomas. Mineral Content of Illinois Waters. Abstract | 874 |
| Unconformities, Criteria for Subsurface Recognition of. By W. C. Krumbein | 36 |
| Underground Conditions in Oil Fields. By A. W. Ambrose. Abstract | 867 |
| Underground Waters in St. Louis County and City of St. Louis, Missouri. By Charles D. Gleason. Abstract | 877 |
| Underground Waters and Subsurface Temperatures of the Woodbine Sand in Northeast Texas. By F. B. Plummer and E. C. Sargent. Abstract | 875 |
| Union County, Arkansas, Schuler Field. By Warren B. Weeks and Clyde W. Alexander | 1467 |

| | |
|---|----------|
| United States, Occurrence of Ground Water in. By Oscar Edward Meinzer. Abstract . . . | 867 |
| —, Southeastern, Developments in 1941. By Urban B. Hughes . . . | 991 |
| United States and Allied Countries, Members of American Association of Petroleum Geologists Employed by, in Civilian Work. Supplementary List. At Home and Abroad . . . | 1861 |
| —, Members of American Association of Petroleum Geologists Serving in the Armed Forces. Supplementary List. At Home and Abroad . . . | 1858 |
| United States Civil Service Commission. At Home and Abroad . . . | 1183 |
| Upper Cretaceous Formations and Faunas of Southern California. By Willis P. Popenoe . . . | 162 |
| Upper Cretaceous Stratigraphy of the West Side of Sacramento Valley South of Willows, Glenn County, California. By James M. Kirby. Abstract . . . | 899 |
| Upper Des Moines and Lower Missouri Rocks of Northeastern Oklahoma and Southeastern Kansas. By Malcolm C. Oakes and J. M. Jewett. Abstract . . . | 908 |
| Upper Pennsylvanian Anhydrite, West Texas. Geological Note by Robert Roth . . . | 1412 |
| Use and Development of Engineering Geology. By F. A. Nickell . . . | 1797 |
| Valerius, Claude N., and Markley, E. A. Midway Field Discovery, Lafayette County, Arkan- sas. Geological Note . . . | 1289 |
| Valuation, Oil Property. By Paul Paine. Review by Ernest K. Parks . . . | 1779 |
| Variation, Lateral, in Chester Sandstones Producing Oil and Gas in Lower Wabash River Area, with Special Reference to New Harmony Field, Illinois and Indiana. By George V. Cohee . . . | 1594 |
| Venezuela, North-Central, "Ortiz Sandstone" and "Guarumen Sandstone Group" of. Geo- logical Note by M. Kamen-Kaye . . . | 126 |
| Venezuelan Oil-Field Waters. By J. E. Smith. Abstract . . . | 880 |
| Ver Wiebe, W. A. Report of Editor. The Association Round Table . . . | 933 |
| —, Review of Aerial Photographs, by A. J. Eardley . . . | 1849 |
| Ver Wiebe, Walter A., Aurin, Fritz L., Owen, Edgar W., Weaver, Paul, and Markham, Edmond O. Foreword. Development and Use of Engineering Geology . . . | 1795 |
| Vernon, Robert O. Geology of Holmes and Washington Counties, Florida. Review by Robert B. Campbell . . . | 1424 |
| Victory, The Rhyming Letters for. Geological Note by K. C. Heald . . . | 1838 |
| Viola Production in Eastern Stafford and Northwestern Reno Counties, Kansas. By W. C. Imbt and P. A. Harper. Abstract . . . | 909 |
| Viola Well Core from South Dakota. Geological Note by Charles E. Decker . . . | 123 |
| Virginia, Discovery of Gas in Rockingham County, Geological Note by Paul H. Price . . . | 275, 409 |
| Wabash River Area, Lower, Lateral Variation in Chester Sandstones Producing Oil and Gas in, with Special Reference to New Harmony Field, Illinois and Indiana. By George V. Cohee . . . | 1594 |
| Waddell and McKee Sands, Simpson Group, West Texas. Geological Note by Taylor Cole, C. D. Cordry, and H. A. Hemphill . . . | 279 |
| Wahlstrom, Edwin A., and DeFord, Ronald K. Hobbs Field, Lea County, New Mexico. Abstract . . . | 875 |
| Waldschmidt, W. A. Review of Oil and Gas Industry of Colorado, by Clark F. Barb . . . | 1293 |
| Wanless, H. R., Weller, J. M., Cline, L. M., and Stookey, D. G. Interbasin Pennsylvanian Cor- relations, Illinois and Iowa . . . | 1585 |
| War and Geology. Geological Note by Paul H. Price and Herbert P. Woodward . . . | 1832 |
| War and Peace, Geology in. By Carey Croneis . . . | 1221 |
| —, Discussion by W. V. Howard . . . | 1844 |
| War Effort, Geologists in. At Home and Abroad . . . | 1314 |
| Ward and Pecos Counties, Texas, Payton Pool. By Richard E. Gile . . . | 1632 |
| Washburn Field, LaSalle County, Texas. Geological Note by W. K. Esgen . . . | 276 |
| Washburne, C. W. Chlorides in Oil-Field Waters. Abstract . . . | 866 |
| —, Oil Field Brines. Abstract . . . | 867 |
| —, Review of Petroleum Geology of the State of São Paulo, Brazil . . . | 1163 |
| Washington and Holmes Counties, Florida, Geology of. By Robert O. Vernon. Review by Robert B. Campbell . . . | 1424 |
| Water Analyses in Oil Production and Some Analyses from Poison Spider, Wyoming. By E. M. Parks. Abstract . . . | 878 |
| Water Problems in the New Grosny Field, Russia, by Norbert T. Lindtrop. Abstract of Discussion by R. L. Ginter . . . | 879 |
| —, in the Northern Part of the Cushing Field, Creek County, Oklahoma. By R. R. Brandenthaler <i>et al.</i> Abstract . . . | 876 |
| Water Resources of East St. Louis District. By Isaiah Bowman, assisted by C. A. Reeds. Abstract . . . | 874 |

| | |
|--|------------|
| — of Illinois. By Frank Leverett. Abstract | 874 |
| Waters of the Oil and Gas-Bearing Formations of the Rocky Mountains. By R. Clare Coffin and Ronald K. DeFord. Abstract | 878 |
| —, Oil-Field, of Montana Plains. By James G. Crawford | 1317 |
| —, Oil-Field, Selected Annotated Bibliography on. Research Note by L. C. Case <i>et al.</i> | 865 |
| Weaver, Paul. Section of Hydrology of American Geophysical Union. Geological Note | 856 |
| Weaver, Paul, Aurin, Fritz L., Owen, Edgar W., Markham, Edmond O., and Ver Wiebe, Walter A. Foreword. Development and Use of Engineering Geology | 1795 |
| Weeks, Warren B., and Alexander, Clyde. Schuler Field, Union County, Arkansas | 1407 |
| Well-Core Graptolites, Two More Ordovician, Crane County, Texas. Geological Note by Charles E. Decker | 1771 |
| Well Spacing, Problem of. By Houston Geological Society Study Group. Study Group Reports | 100 |
| Well Spacing and Production Interference in West Columbia Field, Brazoria County, Texas. By John C. Miller | 1441 |
| Weller, J. M., Wanless, H. R., Cline, L. M., and Stookey, D. G. Interbasin Pennsylvanian Correlations, Illinois and Iowa | 1585 |
| Wells in Florida, Stratigraphic and Paleontologic Studies of. By W. Storrs Cole. Review by Robert B. Campbell | 1425, 1426 |
| Wells, Roger C., and Mills, R. van A. The Evaporation of Water at Depth by Natural Gases. Abstract | 869 |
| —, The Evaporation and Concentration of Waters Associated with Petroleum and Natural Gas. Abstract | 867, 869 |
| West Central and North Texas, New Developments in, 1941. By North Texas Geological Society | 1040 |
| West Columbia Field, Brazoria County, Texas, Well Spacing and Production Interference in. By John C. Miller | 1441 |
| West Texas, McKee and Waddell Sands, Simpson Group. Geological Note by Taylor Cole, C. D. Cordry, and H. A. Hemphill | 279 |
| —, Subsurface Study of Ellenburger Formation in. By Taylor Cole | 1398 |
| —, Upper Pennsylvanian Anhydrite. Geological Note by Robert Roth | 1412 |
| West Texas and Southeastern New Mexico, Permian of. By Philip B. King | 535 |
| West Texas and Southeastern New Mexico Development in 1941. By Bernard A. Ray <i>et al.</i> Abstract | 912 |
| —, By West Texas Geological Society Committee | 1007 |
| West Texas Geological Society Spring Field Trip, May 23-24. Announcement. At Home and Abroad | 965 |
| West Texas Geological Society Student Merit Award. The Association Round Table | 1169 |
| West Texas-New Mexico Symposium: Part II. Foreword. By Ronald K. DeFord and E. Russell Lloyd | 533 |
| Western Edwards Plateau, Texas, Pre-Cretaceous Topography of. By Eric H. Jager | 380 |
| Wildcat Drilling in 1941 with Comments on Discovery Rate. By Frederic H. Lahee | 969 |
| Williams, J. S., and Imlay, Ralph W. Late Paleozoic Age of Morehouse Formation of Southeastern Louisiana. Geological Note | 1672 |
| Willis, Robin, and Ballantyne, R. S., Jr. Drilling-Time Logs and Their Uses. Geological Note | 1279 |
| Wilson, W. B. Classification of Oil Reservoirs. Geological Note | 1291 |
| Woodward, Herbert P., and Price, Paul H. Geology and War. Geological Note | 1832 |
| Woolnough, W. G. Geological Extrapolation and Pseud-Abyssal Sediments | 765 |
| Workman, L. E., and Gillette, Tracy. Subsurface Stratigraphy of the Kinderhook-New Albany in Illinois. Abstract | 915 |
| Young County, Texas, Subsurface Geology of Sewell-Eddleman Area. By Paul L. Applin and Robert F. Imbt | 204 |